

cccaccccggtttttaaccgccccccacccctaaccacaca ccaacccccca cccccccgcc 180
 cccccctgacacaccccccc ccccccttca cccccccccc aaccaccccc cccccaaacc 240
 aaactcccc caaaaagcca cccccaagcc ccaaagaccc cccacctaac cccccccccc 300
 aaataggggnngnccccccc cccccctgga acctncccc catccagcca aaaacccccg 360
 gnccgggtac nccccccga ccccccgccc ccgcaacccc cccccccccc cccaaccaac 420
 cccccgcccc gnnntcccc cccccccct accccaaacc cccccgcccc caccaccccc 480
 cccccccccc ccaccccccc acaccccccc cgctctccc accaccccc cccccccccc 540
 catcaaccac cccctcccc ccccccccaa ccgaccgcc cccccccccc cccccacaac 600
 cagatcccc ccccccccaa cacantcaa cccccccccc cccacacaa caaccgacc 660
 ccccccttc ccccaaacc cccccccccc aaccagcgaa cccccccacc ncnccacc 720
 cccaaccct cccccctct cccccccac aacccttca cccccccccc ccccccata 780
 cacncccc accaccccc cccccaccc accccccccc ccacccccac cctccccacg 840
 accccacccc cccccccc 859

<210> 13185
 <211> 536
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 13185

ccagtctttt ctggtgatcc actttactca ctctgccga gtcggtttga gcgaccaaag 60
 gctccacacg cggctggggg taattggacg gcgctggcta ggctgcta agtgccgaac 120
 tcgggcggga gcgctcagtc actctaagcg tgattgggct aagagctaga ggagaactgg 180
 gctgacaagg gctgaccgtt tagaccaatc tcggtaggat gaggctacaa ctgactgtgc 240
 ggggccggtg cccatatgcc acttcgtaac tatgacgggc cacataagag ttgcgcgcac 300
 agtatccctg ctggtaacag aactgcaggc ccattagtgt atgctgtacc ctctcgcggg 360
 aatcgtaac catggctttg acggaaactg gactcatttg ggtgagtcct atcagatggg 420
 atgtgaagac cctgcgatca ggtctgtgcc ccattgaata tgggcccctg gagcatactc 480
 gaaaggctta ggtctggat ccccgggacc ccaacaaatc cttgaagcta gtctct 536

<210> 13186

<211> 382
 <212> DNA
 <213> Aspergillus nidulans

<400> 13186

gctcagtatt actgaaagca tcggtgggac gcatgctaga tacacgttat gtatccgac 60
 cagattttgt gatcatggcc tttcttatgg gcaggggtgg cttcaacttt tgtggaagga 120
 agaaaaggca taacagccac agtgaggggc atgggcaggg ttgacacgtg ctcagtcctc 180
 ttgctagtat taccgaaagg atgaatgaca cgagtaactt tcttcgtgtc cacattggct 240
 cccataggaa atatgaacga cactgaatac taaatactga ttaaccatgc actcgaatat 300
 cagctcgtag aaagattcca gcatttgcgt tctccaggta atactggcac gtatgaatcc 360
 gacctcatga tcggacttca ta 382

<210> 13187
 <211> 1063
 <212> DNA
 <213> Aspergillus nidulans

<400> 13187

actcagatca tgtcagttag ggaactttgc aaaggtgagg ccctacccat tttcgtccct 60
 cttcaagcat aaccacttac gccacccttt gccgcagtgg tgcaaagcta tgatcaattc 120
 ctttcttaca ttgtagagca ggacctccaa gacgtctgtg atctgaaaca tatagtaaaa 180
 ggggacgaag tcatggaggc attcgaaacc agaacgaagg ggccctgggt ctccaacgct 240
 ttgaagctcg taattgagt gcaattactg caccctggcg ttgaagacaa ggaaggggct 300
 ctgaagtatc tttcaatcta agagagaaga gataggtctt tgagccattt caaaagaaat 360
 agagtaatgg tggttttag tctcagactt tcaaggtag ttgtaccagt tggttacaaa 420
 tattatgatt tctatctatc ataattttgg tgctttccta tttacagcct tgcgaactaa 480
 gctatggtat cctgtaactt tttggacttt tactaggacc ttgggatggt aaaaataactt 540
 agttgggttaa aataatttat cctatacacg ggaaaggatc tttgtaatgg ttgataaatg 600
 aggttttata aaaggcattt ctttcatcct agttctgatt taaacgtagg gatttattat 660
 taatctattg taattcgat aaggaagaaa cactacctca cggtatctaa actcaataag 720
 ttctctcttg atatattaga gtctcgtggg gttaacataa tgaattcttt aaacctataa 780

tgctttgtga aattaatatc atactttaat atataattag atatgtcttt ctacaattat 840
 tcgcttaagt tcattttcac gcatttagca gttataaaat tattaggagt gcgatcgta 900
 catcattgga ataattatag tggtaaccatc ttactgtttc atgatttctt aataagatta 960
 acaacatcgc ctctttttta tatatggtcc ctcgctgtat ttcacatcct ctcttctttt 1020
 gtataggcac ttctcatcta taatatagcg tcgttcgtgg ggg 1063

<210> 13188
 <211> 1188
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 13188

accatttctt accttctttt ggattagcat ccattccaaa atttaccctt tttttggaag 60
 tgtctcccca ccattaagtt cgcctttcac gtcacgaaaa attccggccc caatttggtt 120
 ttttggttgc ttgcttaacc gcttttctcc gccttgctcg gacttttcca ttcagtgcac 180
 ccgcttccta tttgccttat gaacctgccg gtcccacgcc cagtttggtt tattgtctcc 240
 tcgctaagga acaggcctct caaacttttc tctttgcata acccaagctt ttaataaaaa 300
 tcttcttctc tggttctcaa tttggtccac gaaccatata tgcttttggt ggcactttgc 360
 cgctcacacg cggacttttag accgattatt cagttcttgc gtggctcacg ttcgacagcc 420
 cggcttattg aaatctcgaa tccactcgcg acaggagtgc cttttatttg actcatccac 480
 ctctgaatcg catcgtgtcc gcgcgttgcc tccattgaac gctcacgtct tggcccttct 540
 ttaaatcgcc gcattatagc cccgacattc tccctttggt cggtaaagcc ctatccttgc 600
 cacgaatctt cccaggatct ttgtcttccc gatcttgata cataacgcat tttctttatt 660
 ggtcttttag caatctccag ctaacaagat aaatgtacgc agactcgcgc caccacacct 720
 tattctccgt caactaaacg tcttcgcttg ccgcctcagt cagcttagtt cgtcattccg 780
 aagcgagagg gacacggacc aacaatttat aacatacctc agcttccctc gccctcttca 840
 acacgtgagc gctgtttgag tttttaaatc gtgatattcg ttttttatta ttgggtttttg 900
 gaccgtaagg gctccctgtg gataaaagaa ttgccgactt caagttgctc aggccggatg 960
 caccatgact gaagcaagaa tgttcatcaa aactgagcct gacgagcaca acagtgaacca 1020
 aaaccacttt atgatgtccc aatccggata ttctatgcat aaccaattcg ggaaccogaa 1080

tgatgggatc gacccatcgg acctgaccaa cggaggattt atcggacgct ttggatttgg 1140
 cctccccacag aatatgtcat ccagcttcaa ttttggaac tccggcat 1188

<210> 13189
 <211> 1075
 <212> DNA
 <213> Aspergillus nidulans
 <223> unsure at all n locations
 <400> 13189

aaaaaaaaaa aaanaaataa aatatagaa aagaagtaaa aanaaagaga aggaaaaaag 60
 gaaggatgtt atatagaaaa nnggaaggag ggtaaaaaaca caaaaaaaa agaggaaaaa 120
 aaaaagaaag aaaaagaaaa agaagaggaa aaaaaaaaac aaaaagaga aaaaagaaga 180
 aacaaaagaa aaaagagaag aaagaagaa ggagagaaga ggaaaaaag aaaagaaaaa 240
 agaaaggggg aaaacgaaaa gggagaaaaa aaaagaaaa aaaaaaaga aagaacgga 300
 taagaaaagg atggagagaa gagaaaaaag aaaaaactat gggaaaggaa aaaaggggag 360
 agaaaaaaga taaaggtggg aggggaaaaa aaaataaaga gaaaaaaa aaaaataaga 420
 aaggagggac aaaaaaaaaa aaaaaaaaaa gaagggggaa aagaataggc aagaaaaaag 480
 aaaaaaaca ataagggtaa acaaagaaaa gaaaaaaaag gagaaaaa agaaaagaaa 540
 aaaaagaga aagaataaa aaaagaaatg aaatggaagg aaaaaaagg agaaagtaaa 600
 aagagaaagg aaagaacaa aagagaaaga ggggacaaaa aagagaagaa gagataaaaa 660
 gaaaaaaca agaaaaggaa aagaagaaaa gaagaataaa aaaaaatagg aaagacgaaa 720
 aaaaaaaaag gaaagaaaga agaaaataaa ataaagaaaa agaggaagag gaagaaaaa 780
 aaaaaggatg aaaaaaata agaaggagaa aatgaagaga aagaaaaa aaagaatgta 840
 aataaaaaaa aaaaagaggg acaagaagag aaataaaata aaaaataaaa aaaaaaaaaa 900
 gaagaaggaa aataaaaagt acaaaaaaaa agaaagaaaa caaaagagga aaaaaataa 960
 aaagaaaaaa agagaaaaaa acaggaaaaa aacaacaaaa aaagcgaag aaagaaaagg 1020
 aaataaaaaa acaaggagaa agagaagaaa tagaaggaaa agagatgaaa aaaag 1075

<210> 13190
 <211> 984
 <212> DNA
 <213> Aspergillus nidulans

<223> unsure at all n locations
<400> 13190

gaccagggga caaagggaca gggacccttc ccttacaccc acgccatttt aacaccgcgc 60
cagaaaaaaaa cacaattgtg caattaaagg ggagaccggc agaaaccccc ggaagaacag 120
accgaggcag acggacgaaa caggacaaaa cgggagagca caaagagcac cgaaaaggac 180
acagaaaaca aagcacaacc cgggaaaaca aagccggaag ccaaaaaaca cacaagaccg 240
aaaccaagac ccaagccgaa acaaaaaagg cgaaaggccc gaaccacgca aggaaacgcc 300
gacgccaac tgcccaaacc acaaaaagcc aacaacaaga aaagaagccg aaaaaagaa 360
accgaaaaaa gaagccgcac cacaagcag aagacagcaa acccgcgggg caaccacaaa 420
gccccgaaaa acaaaaaaaaa ccacacaggg acagaaagag cacccaaacc aaaacaagga 480
gacagatccc gggggcacaa aaaccgagc caaaaaaaaa ggaccaagac agaaaacgag 540
aaaaaagaaa gaagaacccc cgaggaacgg aaaaaccccc ggccccaaaa caccggcaaa 600
aagccgaaac caacaaaaaa acgcaaaaaa acgaccaggg ccacacagga cacgagaact 660
cgaaaaagaa aaccacaaca aaacaaaaca aggcaaacca aagaaggaca acccccaggg 720
cccgaaaaaa aaaaaacagc accaccaaac caaaaaaacc aacagaaaaa ccccgaggaa 780
agcaacacaa cacaagaaag aatcccaaaa aagaaaaacg aaaaaaacc acaaaaaaaa 840
aaagaccccc aaaaaaacac aacagcaacc aaaagagcca gaaaaaaga agaaagaaaa 900
aaaaaaaaaa agtataaaaa taaaagaaga aaaaaaannn gggggggggg ggggggggga 960
gannaaaaaa ccnccacccc cccc 984

<210> 13191
<211> 891
<212> DNA
<213> *Aspergillus nidulans*

<223> unsure at all n locations
<400> 13191

aaaaaaaaaga aaaaaagagc acacaaaaag aaaaaaaaaa aaggaaagaa acgaaaagaa 60
ataaaaaaat aagaanannn aaggaaagaa caagaanaaa tnttnagaga naaacccggg 120
aganaannta aaaaaaaga aaanaaaaaa gaaagaaag aaattgtaa gagaaaaaga 180
aaaaaaaaaca acggggggga gaagaaaaag agaaggggag aaaaaagaaa acacgagggg 240

aaaaacaaac agaaagcgag aaagagaaag aatacagaga agaaaagaag gagaaaagaa 300
 aacaaaaaaa gaacaaaaga aaaaggagga aagaggagaa gagaaggaaa gagaagaaaa 360
 aaagaggaaa aagggaaaaa aaaaagaaaa aaaaagggaa aaaagaaaaa gaaaaccaa 420
 aggaaaaaaa gaaagagaaa aaaagaaaaa aaaaaaaaga aaaaaaaaaa aaaacaaaaa 480
 agaaaagaag aagaaaaaaa aaaggagaag agagaaagaa agaaaaaaa aaaaaagaga 540
 aaaaaaaaaa aaaaaagaac aaaaaagaaa agaaaacgaa aaaaaagaga aaaagaaaga 600
 aaaagaagac aaaaaagaa gaaaaacaaa gaaaacggaa aagaaggata agaagaaaag 660
 aagaaaacag aaacaaacga aaaaaaggaa aaaaaaaaaa gacaaagaaa aaaaaaaaaa 720
 gaaagaagaa cgaaaaaaga aagaacacaa agaagaaaaa gaaaaaacaa aaaagaaaga 780
 agagtgaaaa aaagaagaac aaaaagaaga aaaagaaaaa aaagaaaaaa aaagaaagaa 840
 agacaagaga aaaaaacaaa ggaaagaaga agaagacaaa aaagaaaaaa a 891

<210> 13192
 <211> 99
 <212> DNA
 <213> Aspergillus nidulans

<400> 13192

cagcacacgg agaacaata ccacggcatt atcccacgct atacaacacc gccgcctctt 60
 caatagcgac aaccagcgcg acccatgcaa ccacaagaa 99

<210> 13193
 <211> 875
 <212> DNA
 <213> Aspergillus nidulans

<400> 13193

aaaaaataaa aaaaaaaaaa aagaaagaaa gaaagaaaaa agaaaaaaa aagaaagaaa 60
 gaaagaaaaa agaaaaaaa aagaaaagga aaggaaagga aggaaaggaa ggaaaggaaa 120
 ggagaggaac agccgaagcc gacataccag aaatatctcc aacctctgca cgaccagacg 180
 gttgtctttg ctctcaacta gtctaaactc agccgctgtg tgcgataaaa catgttgccc 240
 gtcctttcca gtaaattcat aactgttgat gaccacgaca tccaacggcg aaaacggcga 300
 gacataaacg cgaacagggtt ggtgtttcag cccaggaac tgagtccaaa attcttctcg 360

ttgggctctt attgctgggt cacattagac tatagcttct cgaaaaactc gctgttcgag 420
 tacgacgggc ccaaatacct tgtcgtccgc ccagggtctg aacaggcgtg acaaactcag 480
 cgtcgtctgc aaacatgtca ctccattctt gtgctgcttc cggggattca ccgtccaaga 540
 gagtgtagaa ctgctgtatg aactgcattg tcgccacttg ggcgccacta ccatctccca 600
 tttgacctag attgacactc gacatttcca gtacgggtta taggggagat agatgggtga 660
 gaatatccaa aggcttcgac tgggcgagcc tgggcgggac aacgcacttc tatgattccc 720
 tggccctttg gttacaagtc cccaaccctt gggacgctga atgccccctc ttgcacacca 780
 gggtggttgc tttttggggc ccccgagat tgctccctag caacatcagg cacctttggg 840
 aggccagaac caaagcttgg tcccgtcttg ccaac 875

<210> 13194
 <211> 570
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 13194
 acgacaccgg cgccgtgac ctgaagatcg catatgggta tgatatcgag ccgcatggca 60
 aagatcccct cgtggccctc gcgaatgaat cattggcgaa ctttgctgtt gcaggaacac 120
 cgggggcttg gattgttgat acgattccat tcagtcagt caaacctgtc cggatgaacg 180
 ttttgctga attgtagcta acgaaggaac gtttagtgaa atacctccca tcctgggtcc 240
 ccggcactgg cttcaagcgc accgctgcat cctggaaaca gaccctgctt acgacgattg 300
 agaagccgta ccggcttgtg ctgaagcagc tggaatcggg caagtaccct gactcatacc 360
 tgtcgaatct actggaagag aaaaaggcc gccccctcag cgcagacgaa gagcagggtta 420
 tcaagtggac agccgggtcg ctgtataccg gtggtgcaga tactgtacgt tctccagtct 480
 gaatcacgag ccgtccttag gagcattttt gctaacaggc agcgccaaca gaccgtctcg 540
 acactctcct gcttcttctt tgccatggcc 570

<210> 13195
 <211> 162
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 13195

tttagtattg tctgctagtg tgctttaaaag ttttttactg tttatttccg gttttgcatt 60
tctctttttt gtctcagtcg ctatacttta tcacagatat ttccgtggag cggtcacca 120
ctgactcagc acttcgggtcc accaccagta gtgagctcca ga 162

<210> 13196
<211> 808
<212> DNA
<213> Aspergillus nidulans

<400> 13196
aatcgcgggg ggtctgcatg ttgcttggct atcggagcat ggtctggtga aggtcgagta 60
gtgatgttgt tgttgaccat catgggtccac tcctgaaatg ctgatctgta gataccgcgc 120
caggaaacct acgaggtctt taagccctac atattgaaac acaccaacat ctgcctacaa 180
gatctgctaa ctcatgcaaa agaggggactg attcaggagc atattaccog agttaggact 240
ggacggatcg gtttcatcat gccggggcgta tgcttcagag accacatggt ggggatgttg 300
ctagctgaat aaaatttcta ttcagctgca atcaaatttg cgcagggtcaa ctaacggaaa 360
ttgctcaatc gagccatctt gtgggtcattt cagctcttcc aaactgactt agcacgtttt 420
ggcttgatcc attttccgta tcattttttg tctacatttt ccggctacca atggatgaac 480
actatccacc ctgatatttg accttattga tttttaaaag tgcttgata aactttaact 540
cactttttgt attccctca tgaatacttt tctgactccc tttttcacga ggccaagtat 600
ctttctcacc acttttccat ataatatctc ctctatctct aatatttatt tcttttatac 660
actcttttct cctcctctaa aattctcttt cttcttaatt atacatctca tccttttggt 720
ctccttgcat gccaaatcta atgctcttac ttctcctccc atctccgttt acccccatta 780
tctccttctt gttacaattt ctattttc 808

<210> 13197
<211> 1019
<212> DNA
<213> Aspergillus nidulans

<223> unsure at all n locations
<400> 13197

gtcaataaca gccaaagcaa gaggtccaag aagaatggtg aaataggga agtcttgctc 60

ttcttctttt tctncaatct ttctctctcc tccgcctctc ttttctctct cctctctctc 120
 ctctctcttc ttccctcttc cctctccctc cttctttttc ccttctcttc ctctcttct 180
 ctttctccct ccttctctc ctctcccttc tcttctctcc tctctctctc tcttctctcc 240
 ttctcccccc ttccctttcc tctctctctc cctcttcttc ctccctcttc cttctctct 300
 ttctccccct tctcttctct ctttttctcc actctctctc cctctctttt cccccctc 360
 ttctctcttc ctccctctct ctcaactctc tctccccct cctatctctc cctctttct 420
 tccccctcc ttccctttct tctcttttcc ctccctctct cctctcttc cctctctct 480
 tctccctctt tccccctcc ttccccctc cccccctct tttctctctc ttcttttctc 540
 accctcttc cttctccctc ttttccccct cctctctct tttccccctc ccttccctcc 600
 tcttctctt cttctcacc ttccatcccc cctctttctt tttctctct ctctctcttc 660
 cctctcccc cccctcttt cttctctctc tctctttcat tccctcttc cttctttct 720
 ttcttctcc ttttctctc tctccctctt tctctctct ctctcttcc ctctctccct 780
 ctttctccc ttttctccc tctaccttc caactctcc ccttctctt cttctctct 840
 ttccctctct tctctctct ctttctctt cctctccctc tctctccctc tccctccctc 900
 tctctccct ctcttctct ttctctctct ctctctccc ttctctctc ctccctctct 960
 ccttctctt cctctccct atctctccct atctcactc cctcccccc tctctctct 1019

<210> 13198
 <211> 938
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 13198
 tggcgaatta accctcacta aagggatcaa agtcctggat accgggtccc acggacggcc 60
 agtagatgcg ctttccaaca cggccaccga gcagccggat ggctacggag acaagctcgt 120
 agtgtttgcc gatgagtcgg gtgagcggac caaggcttcc accagggagg accttgaaga 180
 gcgcagcctg tctgattttc tggcgggtcg acatcttcca gacagggccc gtctgggcac 240
 ggccacaggt cagatcgagg atcgcttga tgatcaggat ggcaatgaac cagatgatcg 300
 ggcccacaac ggcatagtag attctcgcca ggatatgcca gccaatccga ctcggtgttg 360
 tgaaccagaa gatgatgact cgaagcatat cgtatccatg aagcgggtag tgtaggacaa 420

ttgggataag tccagcaagc cagggtaatc tgtacgcgaa gcccgcgatc aggcccagcg 480
 gctcgacaag gagcaaagac aagagccaat gcgggcctgg gatgttcgcc gagttgagat 540
 ccttgtttga ctcgctctgcg ctgtcgatct cccagctgga ggagttggga ccgaggtatg 600
 tgttcggggg gaggttggag ccgggcgcga caacggtgcg aagaccgatc tgtgaaccag 660
 agccaatggt gatgggctgc aggagcatgg aggtgtttcg ttccaccgcg aacggacgaa 720
 cgatgcagtt ttccagcacg acgttatcct caaggcgaat aaggctgtat tcaccgagcg 780
 aggcggactg gtggatagta acgttgcgga cgatacggca gccaatatgc ccgtagtaga 840
 ggatgcggga gaaatcgaag tagttgtaga ctccctaaac ctggattagt gccctgactg 900
 atgtttaga gccgaaaggg catacctttt cactgatc 938

<210> 13199
 <211> 886
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 13199
 agggcatagc gctgttcgag agatgttaaa ttgttacggt gctcatcgcg cgcgaccagg 60
 cggggcgagt gtgcaaagag agataatacg atgtctcttg cttcgcgccg aacggcctcc 120
 aggggtctcgt ttgccgcttc gctccccctc gccccctccc ttcccatcct atcctccccct 180
 ccttctcttc cccccctcct cccctccttt tcccccccc ctcctctctt tccctccttc 240
 ttctcctctt tccccctccc ctcctccctc cttctctctt cttcctatcc ccccttcccc 300
 cctccccat cccctcctct cttctcccc tctccctccc tctctcttcc cctcccccta 360
 tcttcccccc tctctcccc cctctccttc cctctcccc ccccccttct ctcttttccc 420
 cccctcctct cctccccctc cccccctct ccttccctct tccccctcc cctctttctc 480
 tctctctctc ttctccccct cctccctctt ccttccctcc cctccccact cctctcctcc 540
 cctccttccc tcccccatc ttctctcctt cctccttgc cctctctct ctcctctctt 600
 ctcctcccc tctccccctc cccccctccc cccccctccc cctccccctc cactttcttc 660
 tctctcttcc tctctctctc ttccccctct cccccctctc cctactctcc ccttccccct 720
 cctccccat cttattccct ccttccctcc cctccccct cttctcctcc tcaactccac 780
 ttctcttctt cctctctctt ttctcttctt ctcctctctt cctctctcc tccccctccc 840

ccctcccccc tctctctcta cccttcctat ctcttttctt ccttcc

886

<210> 13200
<211> 409
<212> DNA
<213> *Aspergillus nidulans*

<400> 13200

cggaatttcg tccagcgtcg atgcttgatc actaatccag gaggccgcta ttctgtgtgg 60
tgtttttggtc cagattggcc agttctcttg aagcgcgggg gatggatcta tgcagcagga 120
gagaggtaca catacctcgt ttatttgttg gcaagcgcag atccttaaca ccatactaca 180
gactggcgct ctatcattat ggatatctat gccgctcaga gagtggcagg gatatcagcc 240
gagacggtac tcagcaggag tgcttttgtg ggtgtgatgt ttaacgtaaa ggttttattgg 300
cctgggcgag ccatattgcc gcttatgaat ctacagtgat tttaaagatg agggggaccac 360
cgttcaaagg tctcacgagg ttcagcatta ccgaagccta agggggccac 409

<210> 13201
<211> 828
<212> DNA
<213> *Aspergillus nidulans*

<400> 13201

cttcctttca taaaattctc aatccccgga cgtgctgaca tctcttccat tttggaaagg 60
gctctgggta tcgcggcaga taaagtagtt attttgtata gggacatgaa acagcaggta 120
tgggacgact gcagcaaagt gagatcagca acgcttgaag gaaaagataa caaaaccaa 180
tatcaactca gcgtcgatgc accgctctat gagactgaaa gtgtatatatt ataggctgtg 240
tcattaagat gctgtgtcct ttatgtcggg ggagagggtg agctatatatt cctggaccca 300
actgatagcg tggttgtatt tatgatagac cttttgtata attacacata ttaatgcctc 360
ttcggcatct atatctactc gggcgacaat atactgtttg tgttggagcg ctaatttgac 420
aaagttccaa ggctgtcgaa gctgtacctg tagcgctcag tcccttaatt agtgcatttt 480
caacaatgat tatccggcag cttataagcc aatagagggt attttgaaaa caatcagatg 540
gacgctcact gtcagcttgc atagaccact gttgaaatga gaggtcttgg tgacgtgcgg 600
ttattctgac taaactcaat gtatgaacaa atctgcaaga tggagatggg gcttttgtgtc 660

agacgtgatc caaggatttc cgtagcctc gtgtactgtg tacagtttga gtagagtgat 720
 ctcggaatac gattgaatac aatatagggtg taaccttctt actgttttct ataaatggcg 780
 tcgaatagtg tccgtgctat aagcgtgccc tagacaatat atatgaca 828

<210> 13202
 <211> 139
 <212> DNA
 <213> Aspergillus nidulans

<400> 13202

gacgagagag gtatatgcta cgggtctcat attggaagtt ggtgaagcaa agcgtgaaaa 60
 cgtcgcaaaa gatgtggtga aacgacttga tcgacctata tggctctccg tctcgtgacc 120
 ctggtgcgga gaagcttcc 139

<210> 13203
 <211> 503
 <212> DNA
 <213> Aspergillus nidulans

<400> 13203

ctcgaagatg aggatgaaga tggatgatgag gacgaggacg aggatatttc tgaaggaagc 60
 gaagatgagc ggcctagtaa atcaaaggct cacagcttga aaggccgcga ggatgccgat 120
 gtgggtatgg actcggatga cagcgaagaa gatgaggatg gggagggttt cgacgacggg 180
 ttctccgacg aagacgagga tatttcgggc gaggatgaca gcgaagacga tgaagatgct 240
 aaagaagaag aagaagaaga agaagaagaa gaagaagaag aagaagatga cgagtctgaa 300
 gatgaagaag aaaagaccgc gaagcccaaa cgccgcgtcc agtttgcgaa cgccaaggtc 360
 gcagacacat cagacgaccg cgcccaactt cgtcaactat tggcgacaga ccaaaaaact 420
 atcgcagcaa ccatctctca agctgcaaag agccgacgca acaaaaggtc gtgccgttaa 480
 acaccaacgt gcaacattcg atg 503

<210> 13204
 <211> 1327
 <212> DNA
 <213> Aspergillus nidulans

<223> unsure at all n locations
 <400> 13204


```

aaaaaaaaa aaaaaagaaa acaaaaaaac aacaacaaaa aaaagaaaaa aaaaaaaaaa 60
aaaaaaaaagaa aaaactatattt aaaatgaaag atcaattgaa acaccanacn atataaaaaa 120
aaaaccagga ggaaaaagaa aaagaataag aacaacaaaa taaaaaacga ccaaatatat 180
ttaaaaaacga gaaaggaaca gaaaaataat aaacaaaggg gggatattca taaaaaagca 240
taataaaaaag ggaattacaa aaaaaaaaaat caagaacaca aataaaaaaa aaaaaaaaaa 300
gaaaaaaaaa gaaaaaaaaa aaaagaaaca caaacaaaaa aaaaaaaagt tatggaaaaa 360
aaaaaagaaa taaaaaaaca agacataaaa aaaaacaaaa aaaaacaaaa agacgaaaaa 420
aaaataaaaa aaaaacaaga gaacacaaaa aaaaaacaca atccaaaata gaaaaaagaa 480
gagaaaataa gataaaaaga gaatgaaaag aacacaaaga gaaggacaat agacaaagaa 540
tataagagat aaagatccat gaatacacia tacaactaat aagaagaaaa agaacaagaa 600
aaaacggaaa atacacaaac aaaaaataag aaaacagaaa taaaataaaa aaaaaaaaaa 660
aaaaaaaaatg aaaaaataga gtaaaaaaac agaaataaaa taacaaaaaa aaaagaaaaa 720
taaaacaaag aaaagaaaaa aagtaaacaa aaacaagata aaaaaaaaaa aaacaaagaa 780
aacaataaaa aaaacaaggg aaaaataagc acaagattca aaaaagaaca aaaaaaaaaa 840
ggaaacaaat aacaaaaaaaa aaacaatggg gaaaaagaaa gaaaagaaaa aaaaaaaata 900
atacacaaaa agaaaaaaaa aaagataaaa aaaaaataca aaaaaacaaa aaacatagaa 960
agaaaaaatt gaacaaaaaa aaacaaggaa caataaaaaa gatagacaaa aaaaacaaat 1020
aaaatagaaa taaagaaaga tgaaaaaaaa gaaataacaa taaaaaaaat atgagaaact 1080
aaatacaaac agaaacgaaa aagtaaggaa acgaacaaat ggggagaaaa gtaaaataaa 1140
tataacatcc acacacaata taaaataaaa agaaagaaaa ataattaaaa gaacaagata 1200
aaaaaaaaaa acaacaaga ataaaaaaaa aatcaaaaa caacaaaaaa aataaatcaa 1260
gaaaactaaa aataaaaaat agaaaaaaaa ggaagaaaag aataacataa aaaagaaaag 1320
acaaaaa 1327

```

```

<210> 13205
<211> 581
<212> DNA
<213> Aspergillus nidulans

<400> 13205

```

cctccagcgt cttcaaatcc gctagttcct tgcctaggtc cagatcttct cgagtctcca 60
 gaatggaagt cttcgtacac aatcttcccg gaaattttac caaggattcg ttgaaacatc 120
 agcttgagcc gttcatgcgg tctctggcca tcaactgacta cgactgcaa aaaccgagga 180
 agaagcggtt tggccatata ctattcctga atcaatccga tggcaagaga tttctggctc 240
 atcatggaga agaacggcga gccgggagggc ggcgtccctt atccaagctg aacttactcg 300
 gatctcaggt actctgcaaa ccgagccacc gcaaaccgga cgaattcgac cttcgagccc 360
 tggaaaacga ggtgcaggag cgaaccaacc cttcccgcac aatcgaagag gaagggggct 420
 cagtttcgtt tatattgtca acggctagct gtgggtacac tgtgtttgtg gacaatgagt 480
 tctcctacgt gccagagggtg gaactccaac agtatgactc tatcatcttc aggaagcgaa 540
 atattactgt tcacttgggt aacactcctc gtatcaagat t 581

<210> 13206
 <211> 549
 <212> DNA
 <213> Aspergillus nidulans

<400> 13206

gacacctaac actcagtgcc acagaaagga tgaggttatt cggtagtagg aagaggagag 60
 aaacgatgac ccgaagcaaa tggccaagta cctggcgacg ggacagccgc cggggccatca 120
 ggtagatttg tcgcctcgag gtagcattta accgccgtaa cccaaaagcg accatgatgc 180
 tttgatagtg gaagtttgtc tcatgcttga gggaagaact ttcgcatttc aggtgctata 240
 gcctgctagg tgtgcctgtg ggctagctgt ctcggtggag ggtagaacc cccaaaacc 300
 aaccacgtca gcatgtattt tataagtcac gaaatcggtg cccattctta agtggcggtg 360
 agcgattgca ttgcgatcca gtgggttata ctccaaattt gtacacttca cccatcatac 420
 gttgtaagaa tgtgcattcc gaattgtccg aattgatctg gagagtgggtc agaagtcccc 480
 taacggagaa tatgagatgg cactcggtcg attcggtcgc ccaacgatat tgaagctgta 540
 gctgtggga 549

<210> 13207
 <211> 764
 <212> DNA
 <213> Aspergillus nidulans

<400> 13207

ttacaccgaa catattcttt ctttgagaac tgtgcgacga cgtttggtga gttcaaaaat 60
aagaaaaatg aaatgttgta tttctgacgc cgtgttagct gcgtgatact tcatcggtgg 120
tgtgcgcggtt accttttagta ctggtatcgc agctggaggg aatttggtt actggttcgt 180
ttcgctcta cctgacctgg aaccgtctta accggactag gacgagctat ctggtgacca 240
tgggtgtcac tttcataact gccgccctta tgcagaagt ctgttcggct tgccttcgg 300
ccggctcaat ctacctctgg gccgctgagg cgggtggtcc taaatacggc agactgtttg 360
ggttcattgt cgcttggtgg tcaaccaccg cgtggaccac cttttgcgcc agcaacaccc 420
agtcggcaac aaactacatg ctctccgtag gtgtgcccc tgcagctttt cgcattgata 480
ctgacctact gcaggaattg accgtattca aagtcgattt tcccaaggat gtttcggacg 540
tcaagttccg agctgtgcag tggattgtga cggagatttt tctgcactt gcccgtttac 600
ttaactttat ccgcgtacgt taactttttt tccccgcagc aggtacattt aagtctacag 660
gcaatacttt cgtaccgttt ttggtcttgc agcagttgca tctagacttt tctcacggat 720
ctggttccat gcgtggcaaa catgggatta gactgcgaaa ggct 764

<210> 13208

<211> 1235

<212> DNA

<213> *Aspergillus nidulans*

<223> unsure at all n locations

<400> 13208

ggaaagagaa aaaaggaaga aaagaaaaga gaagagaagt ggaaaaaaga agaaaagaaa 60
aaaaaaaaa ataaagaagg ggggggtatc tgtgagcagc agagtgaag agaaaaaggg 120
ggaaaagaaa aaagaaagag aaagaagaga aatggtattg aagagagaaa aagaagagaa 180
gggggggaaa gaagagaaaa agggggggaa aaaaaagaaa aggaggggaag aaagggaaga 240
aagaaaaaga gaaaaaaaaa gggaaaaagg ataaggaaaa gaaaagagag aaaagaagaa 300
gaaaggaaaa gaagagaaaa gaaaagaaaa aggaaagagg agaaaggaaa aaaaagagga 360
gaaaaaaaaa aaaaaagaaa aaagaaggga aaatgaaaaa aaggaaaaag aaaaaagggg 420
agaaaaaaga gagtaaagaa agagagagga aaaaaaagg gaagggaaga aaaaggagga 480

aaagaaaaag agaaaaaaa gggaaaaaag gagagagatg aagaagaaaa agagaagagg 540
 agggagagga aaaaaagaag aaaaggaaaa aggaggagaa aaaaaaaaaa ggaaaaaaga 600
 aaaagaaaag aaaaagagaa ggaagaaaaa agaagaaata tgagaaggaa aaaagaagga 660
 agtatatgga gaagagaagg agaagaaaaa gataaggaga gggagaaga aaaaggaaaa 720
 gaagagaaaag aaaaaaagaa gaagaagaaa aaaaaaaga aaatgagaaa gagaaaatag 780
 aagaagaaaa aagagaaaag aaaaaaaaaa gagaggaaaa agaagaataa aaaggaataa 840
 agaataggaa agagagaaaa ggaaangagg agaaaagaga aagaggaata agagaaaaga 900
 aagaaaaaag gaatgaaaaa aaaaaaagag gaagaagaaa gatggaaatg aggaaaaaaa 960
 ataataggaa gagaaagaag aaataggaag aaaggagaaa gggaaaaaaa taagagagaa 1020
 aggaaggaag agataagaaa aaaaaggaga aaagagaaaa gaaaggaaag aaggaaagag 1080
 aaaaaaaggg taagaaagaa aaagaagaga atatatagaa aatataagaa agaaagaaga 1140
 tggagtttaa agaaagaaaa aaaataaaga ggataaattg aagagaaaat aagagaaagg 1200
 aaatagaaag aaataaaaga aaatgaagaa aaaaa 1235

<210> 13209
 <211> 892
 <212> DNA
 <213> *Aspergillus nidulans*
 <223> unsure at all n locations
 <400> 13209

cccacatgnt tgggagagac ctcgcctagg ctcgagaagc ttgtcaacga attcagatat 60
 acggtttggt tatctaactc atgatgaaaa acaaaaatta aaagtggcaa aaaagaaaat 120
 ggatgtagga cgaattctta ctacattatt ggctaatcgt gcagaatata ggggtttacga 180
 caggaggaca tccaggagag gatgtattac tacattctta tggaccttaa aaaccagca 240
 aggttgattc caaatacaca cattgcaaaa acagtggcga aagcaaattg ctgtaacttt 300
 gaagaagtac cgaataacat ctttttagagg agtgacctat cttttaaga aaaatcgggg 360
 cacctgttaa aagtcctca aaaccactg gagcaaaactc cgtaccccct tggcaacaaa 420
 caaattaaat tctaaagtgc acattttttc ggagaccaa aatagaattc ttgataaaat 480
 ggtatggggg gtatgaattt taagaacttt tttcttggtc atctggattt ggtaaaagcc 540
 ttctcctctc ccacagaagg cgcttctaca tctctggatt cggctttttt attcttgaac 600

aatttttacc ccattaactt ttatctgctg tccacctttc gccatatatc ctaaccacta 660
 tcatatgcaa tttttcccca catcccttat caggttccct atttgacgga aaagcacaat 720
 tcattctttc catcatcaaa cattcatccc ctctcgatct atcttttctt ctcacacact 780
 tctctatgtc ttcttttttt ctgatcacac gtcatttttc ctcatctctt tcgtcacaat 840
 ctctcttgga taactctctt ctccccgctt acccccatcc caatcccaac at 892

<210> 13210
 <211> 802
 <212> DNA
 <213> Aspergillus nidulans

<400> 13210

ggcgggtctat ccattgcccc atgcttactg tcgcacaacg cgcgtgaaat gtctctttta 60
 aggtacagaa ctcttgccgg cacttggttaa tggataggac cctcacttgg aaagaggaat 120
 ctagecgactt cagtgccact tcgatgcgca tgaatggacg tctccaccag ccctgctttg 180
 ctagacctat tgtcccgccc tggcttatca taagcacgac tgaaagaaag tcgagacttt 240
 catggttagat gcagggtcca acctcacatc gtatacacca acaagctctg ctccactgta 300
 caccactccc ctttgttatc tctctcttca ccttaaacad atgttccatc attgtctccc 360
 atgacaccca aaccatatga tcaactcacgt ttatatcctt ccacacctat ccaacttaac 420
 cgtcttacct cccattctct tcactatac taacttacct atcattctca cttattcatc 480
 tcactctctt tcttgatata cttaaattct actttccttt ctctcacacc ttcatacttc 540
 atctacacct cctagactat tatcacacct ttctctctct ctttcataac ccattcccacc 600
 tccttatacc taatcattct ccctcaacca caatatcaat atcaaaactcc accattcttc 660
 tccttcgta ttacttacc tcaactcccc ctactccctt tgtattaaca cccattctct 720
 cctatctatc acttctttac catatatctc ctatctatct cctaattctt tcttatctta 780
 tcccaattct tatcttcact cc 802

<210> 13211
 <211> 518
 <212> DNA
 <213> Aspergillus nidulans

<400> 13211

accaatccga ctgagtttcg ccaataaacc gtcaaactcc gacgttaacc gagacaaact 60
 gttggctacg ggctcgtcat cgctgcttc actgctcagt acaagtatgc catgtaacag 120
 ctgtccaaag cgctgcgtga ggaaatgcgg tgcagatgac tgattcagat cgtcaccacc 180
 cgcaagagac agggcagata ccgcactgcg gcttgatttg ggccttatcc gtttaagaga 240
 ctcgcaatgg gcatccatga ttacttgaaa ccgaggccac agatgcatgt tgattccgtt 300
 gatgtacgag tctgcaacag ggactctgcg ccgctggagt tcgaaggcag cttgttggtt 360
 tagccgtacg cacatcagca cgcccagcga gtcagtagtg ttctcaatca gttgtttggt 420
 caatccctgg ccaagggtaa agactggagt aaatatctcc agagccttgc gagagatttg 480
 ctggaaagac aaggtcgaaa acatctcagt catgaacg 518

<210> 13212
 <211> 557
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 13212
 gtacaaggtc tgttgatcgc tgagactgga aacttcttgg tcacggacat gattagcagt 60
 tacagacttt tgagccaagg ctgaaaggga cgggtcttga ggaggcacat atagctgggg 120
 ctgacaagaa cgactctgtc ccataacagg agttcatgga gccgaactat ttgcgagaga 180
 gcctgagata gaggagcaca ctggatgact gagaagatga tactaatatg tctgggtgaac 240
 actaacaccg atcacatatt gcgagagagt gctatgacat gaaccaaag taaaaagcc 300
 aggtatcagc agctgacgga acacatgacc aaatagaggg acagctggcg aacttgatac 360
 tggacagaaa gcggctaaga gaactgcata atagcccagt ccacactaga tatgatccac 420
 attcagactc aagagaggca cgtgcgagac gctgactaag cgttggtaga tgccggatga 480
 gatatggtgc ttaatatcgc ttggtcctta gccgctatag atgcttgatc actagatgat 540
 gatgtgatct gtgaacg 557

<210> 13213
 <211> 369
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 13213

agcggacggt ggatcattgc gagcccgtc gatccccacc acgcgtttct ttagcgttgg 60
cccgttagg ccatactttt ggggatagtt agggaaccga ccgcaagtac tcccacaggc 120
atgcagcgat cgctcgtacg cccaccagag cggccgccgg tattaaatac aactgacct 180
cgaggtggaa actcttctg cgggcaactc acgggggcca tccgatcaa atgccagat 240
gttgatttcc cgggggggat tcaggcgatt ccagccctat taaggggaga atcaagccct 300
tacctaggac cccccagaa cgacgcacc gttatgggac gacccccagg aacaggctcg 360
gaggagttt 369

<210> 13214
<211> 339
<212> DNA
<213> Aspergillus nidulans

<400> 13214
ggctcgagaa gcttgtcgac gaattcagat agattcagaa attttttcaa ctaacttccc 60
ggcctttgta acggggtgac agtcaacttt attgtcgaaa cataaagtac cagttttctc 120
accgcaatcg agaggacggc aagtcctaac aggacgttac ataatacatt ccgagcgagc 180
cgctggcatc atatacgaat gacaacttgc ctcatctaga cactagaccg gaacgttgcc 240
agtcttctgt accatcccct gatacaagaa aatgaatgct ctactgaacg ttgatttact 300
ttctggaatc cgaaccaatt ggggaacttg tgggccga 339

<210> 13215
<211> 391
<212> DNA
<213> Aspergillus nidulans

<400> 13215
gtgcagccga gtgtggagga ttacgagcca gcgctatcac taacaattct atcgtcagcc 60
agggcattct gagaggatac ggtgggctgc agtaccacac catcccggat acccaccacg 120
aggtagctca gctatttttc tacatatcag accggacacc cggaccggta gataacttcc 180
caggaggagc gagcttctct cacgggcaac ccaccactga cgtatcgacg aaacgcgtgg 240
ctgatacgcc tcccggacgg cttcaactga atcacgactt accagggtgc aacaaacagc 300
cactgccagt aagttaagat gaacggcaca tcctgtacca agcggcaacc gcgagcatgc 360

taggggagct tgctattgac gggcctctag a

391

<210> 13216
<211> 722
<212> DNA
<213> Aspergillus nidulans

<400> 13216

aggctcgaga agcttgtcga cgaattcaga taagcagcta atttttttac agaagcaatc 60
gaagaaaatc cgagagatgc gcttgggtac attaattttg caaatttatt agacgtatta 120
ggtgatagcg agcgagcgat tttattttat aaacgtgcac tagagttaga tgataaatct 180
gcagcagcct attatggttt aggaaatgta tattatggcc aagagcaatt tactgaagcg 240
aaagctgtat ttgaacaagc aatgcaagct ggattacaat cagctgatgt aacatttatg 300
ttaggtatca cacatgtaca gcttggaaat gatcggcttg cactaccatt cttacaaaga 360
gcaacagaat tagatgaaaa cgatgtagaa gctgtattcc agtgcggact ttgctttgcg 420
cgattagaac acgttcaaga ggcgaaacct tattttgaaa aggtattaga aatggatgag 480
gagcatgcag atgcgtttta caatttaagt gttggtacgt ttttgaggaa aatatgagaa 540
ggttttcctt tatttagaaa gcaactgaaa ttagtcagat cacttttttag gggtaatggc 600
gttcgttatt agagcagagg tgataagata aaaatagtta atgggtgtta tcctttttta 660
aaggcgggggt gtctgttatt aagagaaatt cggaagaggg aaatgggaat aactgcaagg 720
tt 722

<210> 13217
<211> 525
<212> DNA
<213> Aspergillus nidulans

<400> 13217

ggaccttgct tcgtcagccc aacgaagagt cgcacgagat atatttggga gggatgggtt 60
tgccgtaagt atactgatca aacaattggt tggtggcgct tgacttttca acaggtctgg 120
tccgtgcgat tttcgggaga tggccgcgag attgtcgctg gcactgggtga cactcggtg 180
attgtttatg accttgagac acgtcaatct gttcttcgca tacggaatca tgaggatgat 240
gtgaatgcgg tttgcttttg ggacaagtct tcacctcaca ttctctattc tgggtccgac 300

gatagcactg ttcgtgtctg ggataggaga tctatggccg atggacgaga agctggggta 360
 tttgtagggc atactgaagg cttgacctac gtggacagca aggggtgacgg tagatatgtt 420
 ctgtcgaaca gcaaggatca gactatgaaa ctctgggact tgcgaaagat gatgtcacag 480
 ccaaattcga cacacttgaa cctaccagtt acgggacggg atttg 525

<210> 13218
 <211> 781
 <212> DNA
 <213> Aspergillus nidulans

<400> 13218

taccctaggc tcgagaagct tgtcgacgaa ttcagatgat acaaattggtt ttttgtcgga 60
 tgaggtttta agattagggg gtataaatag ttacttccat acaaataata aaaatgaaat 120
 tgatttatca gttatacggt atgtaaaaga tagtagtaaa tatgatttgt ctcaatactc 180
 caaaatagat gaatgtctat ttgattttga tagaagaaga gtttcagttg ctatagaaaa 240
 aaatgcttac gaacgaatta tgctttgtaa aggtgcagtt agagaagttg tattaatttg 300
 tagttttata aaagaaaaat aataaggata attctctatt acagaatgaa aatccagcgt 360
 aggaaataaa acacctaatt tgaactttgg gcaagagcaa gggatgctaa ggtggtggca 420
 gttggcatat taaccaattt aaataggggt taaaagggga aagtaattct attaaatgaa 480
 tgaaatagaa attgaaacct cgttggatat tgtagggttt tttaaattca acccaaacia 540
 ttgggttttt gttgaacttt atacttttaa aagaaaggag tccaaggga aatttttacc 600
 aagggataac gaggtcctgg acaaggaaat tatgttgga aaatgggctt gtttatagaa 660
 aaaccagaac tgggtttgaa aatgattgac cttccgtata ggtgtttgaa aaactgcagg 720
 acaacagggt gtttcgaaaa aaaatttttc aaaaaattcc ttttaaaggc actaaaaaaa 780
 g 781

<210> 13219
 <211> 588
 <212> DNA
 <213> Aspergillus nidulans

<400> 13219

tacagaatcg gcaaggagtc gaatattgcc aaggctgtcg cagacaagtg ataaacacca 60

gtaaggataa agacgtcgac tgcgagacgg ctatattatt agaagaaaga aacgaaaaac 120
 acgctgcctg caaccttccg cggcgctcag agatggcagc gaaaatactg gaatctaaat 180
 taggcaaaat gtgaagttcc acctgcgagg agtccccct tcagccagca gaccgaacac 240
 aatcgactgc atacgcgga ggtgagatgc tcttagcgaa gagtaggtgg catgagccag 300
 taacggtgca ttgggcattc agcgatctct gaccctcccg aaagtacatg ttgcccgtaa 360
 caaaaggacc caccattaag ttgcatgttg ttcggggcgat cagtctcgta ctacgcata 420
 cagttttgat cagcatatgt attttttga cccggggccg attggtcgat gactggcacg 480
 gagcgggtaca acattgaggc gtgaccgtcc gccgaatccc gacagcagcc aagctgcgct 540
 attccgtttt aagcccagac aacccccctt cctcctcttt ctcacaag 588

<210> 13220
 <211> 273
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 13220
 cgcgaggagaat tctgcgacga actctccac tactgggtgg acggttgcca gccagcccta 60
 tgactgacac aacttttgtt agctgaggcc agttctgcc atacagtcgc atagagatct 120
 aatccaacaa ggatgcgcca gaacaggcat cgcgtcataa ccgccgatca tcacagagcc 180
 aagcgtgaac aagagacata atccatcgag gcatgtccta tcactacggg cagcttacac 240
 gtaccgtatg gacgggctag ctgacatgta cca 273

<210> 13221
 <211> 462
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 13221
 tcacggccgc aattaaccct cactaaaggg atcaccgtag tacaaaaatt tccttgctgt 60
 cggaaccatt ttgcctatgg cgtccaggtc cttgttgaat tgctgcaaaa catctggagg 120
 caagaagccc ttgataatca cagcgccatc ttccttgga acattccaga tttcaccggg 180
 attttgagac actggaagtc gtctaatttg gggcttggtt gcgggagaaa cagtcatggt 240
 gataggtcga cgtataggag accagaaaga ggaaagcgaa ggggtggacag ctacgaggcc 300

taaagtgatg agtagagtaa ggcgggacgg gaatagtatg agattccaaa ccaaattata 360
tattggaccc acgaccgcgc gatctggctg gactctgtct cgggagattc tggctctaga 420
gagaaattgg aggtgatgga cagcacacag acgcacggtc ga 462

<210> 13222
<211> 782
<212> DNA
<213> *Aspergillus nidulans*

<400> 13222

ccccactcg ttggaggaaac gctcgcctag gctcgagaag cttgtcgacg aattcagatt 60
tgcagttttt tttgctttcg ctatcaccgc tgcaattggc tgtgactttt catctccga 120
atccccatga ccttgcgagg atttctgctt gaccaatgct gccgcttttg cctaggatct 180
cgctctatgt tcttccgata cttcttctgt ccattctctt ttctgcttcg ctaacgccac 240
acattttgcc ttggctttcg ctttttcttc ttccgttact tcttctgtcc attttatttt 300
ctgcttcgcc taagcccgcc cttttgcctt ggctttccga ttatttctta tttccggtac 360
ttcttctatt cttctctttt tctgcttagc ttaccgcccc acttttgctt ttggaagccg 420
tgctagcctt cccttgggct ttcgcttttt ccttatttcg ttacttcttc aattcctctc 480
tcttttctgc ttcgttaccg tccacgcttt tgcttttgca gatgatgaag acttccccct 540
ggctattcgt ttttcttggt ccccaattct ttccgtacct tttatttctt gttccctaacg 600
ctgccgtttt gcttttgaag cccttgaccc acccctggc tttggtaata tattccctaa 660
ttattggcgc tcctattttg gtcccaaacc ccgctttttt ttttaacca ttttaccccc 720
tttgttttca tacaaaaaac cttttggcgc cttttttttt actaatcaa atatttttcc 780
cc 782

<210> 13223
<211> 800
<212> DNA
<213> *Aspergillus nidulans*

<400> 13223

attcgcgtcc gcaattaacc cctcactaaa gggatcttcc ccagcctctt tttcccaata 60
tcaaccttct gctgaagcct ataaacatat cagattagca agaagttcag ctcacgacac 120

tacgatgaag gaaaacatac ctctgggcat cctcatccac catccttaac atctcattct 180
 gcacctccaa ctctctgtta atctggatac ctagctcctt ctgccgtctc acaatcttca 240
 gcaactcctc cacactcata tctgtctgct gcatcatttc ctgctgcaac tgcaggacac 300
 cctgattgtc cagctcggcg gtccgctccg tctcctttcc aagtaccctc ccggtcctcg 360
 ccggtttcct gctacttccc cctcccgctc cattcggggc ccctataagc gcctctttat 420
 ccttgatcga tgcaaccgcg ttatcaacac gactctttgc cgccatcgca ttcagcaggt 480
 tctctaaccc atccctttcc ttccgagcgt tgataaggag gtcctttctg cgccggattt 540
 cgcttcacc gagcgagttt gagctcgat aacgcccctt ggtaccacca ttcgaattcc 600
 cagcgtcggc cattcttttc agtccatcct ccaaggccgt tatcagcgac cccgcacgcc 660
 accggcgcca caggtgcggt tgctggcgcc tatatcgccg acatcaccga tggggaagat 720
 cgggctcgcc acttcgggct catgagcgt tgtttcggcg tgggtatggt ggaggcccc 780
 gtgcccgggg actgtggggc 800

<210> 13224
 <211> 594
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 13224
 cgatttaggt gacactatag actactagga tctacggcgt acatcgatac atcaatgatt 60
 gggaaatgtca tgccatagat ggggccggac taagccagtt ggtctctctc agctatcaat 120
 aggtatcctc gaagaggacg gagcatgtgt ggcgcatggg gcgtggcggt gcagtcaata 180
 gaccgagtcg ggcgtccact aatctgggcg atccatcagc gcttaaaacg taatgcgatc 240
 ttctatatgg agtcgggaac actaatcaag ggtaataacc atgaacaaca ctgccgatct 300
 gcggttgatc gcgcacagtc tttcgaatgc gagttgtgtc cacgaattga gccaatcgac 360
 tgaaagttac tgcaaatcca ggctcgtaaa ggagcgaaga gctccccag gctaagatcc 420
 cgaggggtgag gtccaagggt gaggttactc gttccgtcga ggtcatttag cgttcctttt 480
 tggagacgcc ctcgattctc taccgacgtc actactatca ctacctacca gcttggctcc 540
 agtcattat ctactgcct gtatttcgct taatattatt cccattttat gagg 594

<210> 13225
 <211> 766
 <212> DNA
 <213> Aspergillus nidulans

<400> 13225

```
ctcgcctagg ctcgagaagc ttgtcgacga attcagattt tattcttttt tgtggagaaa 60
caggtgaacc gcttactctt gtattgttaa gagatggaaa atatattcgt acgaagctaa 120
ctccacaaaa agacaacggt gaatcgtctt atcgaattgg cttgtatatc cgtgattcgg 180
cagctggaat tggaacgatg acatttggtc atccagattc tatgaaatat ggggcacttg 240
gtcatgttat ttctgataat gatacgaaaa agccgattca agtcgaagat ggacaaatta 300
tgcgctcgac agttacatca attgaaagag gtagtcatgg gaattcaggg gagaaattag 360
caagattctc accagaccgt gaagtgattg gcaatattac aattaatagt ccattatggt 420
atTTTTggaa aattaaatc caatatgaaa aacggtataa tggataaagc aatgcctatc 480
gcatttttta attaagtaat aagaaggacc ggccaaaatt ttaacagttt attggcaaga 540
tcaagtagaa gcgtcggttt tggagttggt agtacaaggg cacaaaaatt tccacctcaa 600
agggttttga ataaaggaac cgttaccgtt tttttggaaa acggcggttt tgcccaaggt 660
attgcggaag cccttttcca atggaaagaa atgtgctttt cccgctttga ataatccacc 720
taggatgggg tctttgaagg cgtcctcagc gggtaattt ttgcaa 766
```

<210> 13226
 <211> 586
 <212> DNA
 <213> Aspergillus nidulans

<400> 13226

```
ggcatttttg ttattatgtg aatacgagag ccggcgcgca acctggctcg gacaagctga 60
tgagcagaag agtgaacaat cagtagcgag agtattgaga tctcgtctcc atctatcata 120
tttctccga gcgcccata actagcccag gtcttctgcc cgagtagtcg ctgctgcac 180
acatcataac cctaactcat gacgttcgca acaccaactt ctccaaccgt gagtcaggag 240
aagtctatct cattcactct taataccgcg cttccacagc ctacccaac tatctctaca 300
gcgtcagaac ctgaaattca aggtgcactt attgtctttg tgccgttttg gcatctagcc 360
ggccgccaag caaacgattg gtaagatgta tgttctgtta ttgtacgtga aactgaccat 420
```

gacttctctc attctttatt acttttattg ctcttttatt gctcttttat tactctttta 480
 ttactctctt atttttatatt ttattttctt accctttctt tcttcacttt tcccatctat 540
 aatgacaata cccatttata atcaggatat atgtccttac tggcaa 586

<210> 13227
 <211> 537
 <212> DNA
 <213> Aspergillus nidulans

<400> 13227

tttaacacat ccgatatagg tgacactata taatactagg atctccgata atccgcattg 60
 agggaaacagc gtatcacgtg cacattcttg gctatagaac tctgtaggta tagcttgccg 120
 tgccaacggc cgcggggttaa aaactagcaa tctcacaact tgcttggatg ttctctatag 180
 gcgtcagtta gatctagggt tactagtagg gtcttcttgt tgccaacgca gggttttcaat 240
 ctacgtact tctataacgc aaaggaccaa aaatcacgct taatatgggc ttgtcaatct 300
 tcaaaggatt gaaacaatga gaatgtcgga ggtggctaga ctgagcgctg actcggggta 360
 tctacctaga acattcgagg agcttcgtaa tcgtctcttc tggaaaacat gtctccgttc 420
 acgccgaaca atgatgccaa tcccatgcct tccacataca acgccaagca agcaataatg 480
 acaaccgaaa caatagagaa aacggggaaa agatcagtca acccatgtcc atataac 537

<210> 13228
 <211> 590
 <212> DNA
 <213> Aspergillus nidulans

<400> 13228

ggatgtgtga tgctgactcc ttcagtcttt gctggcttag ggagagagta tgggtattcc 60
 tagctttttg acttgcttta gtctaagttc accggcctgg atcctttcag ctttgagcgc 120
 tcagcacatg gcttcagggt taactcagaa acggcaatgt tcggagtccg gtggctgtcc 180
 ggaagactcc agaggccgat taaacctggc ttccgggacc cagaagcttg gaactggatc 240
 ttctgccaat ctaccaagag tgcgccactg agcatacaaa ggaacctact ttccgtccgc 300
 aatcagcgtc gaggaagga gggatttgcc attgcgagtc gtggctctcag ctgcgaccca 360
 tgtttagtgt ggcgagagct ggattgaaag gattcgacga gcattagata gacttgggag 420

gcaagtaaaa gcagcataat tgaagactat tgacagtaat catggcaatt caatgcatct 480
tagcaccgaa actgcctgtc ggctccccctt tctctcactt tctgctggaca cttgccgagt 540
accttttagaa aagccgcttc gtgcccattc ccattcttcc agccccgaac 590

<210> 13229
<211> 738
<212> DNA
<213> *Aspergillus nidulans*

<400> 13229

ctcgcctagg ctcgagaagc ttgtcgacga attcagatat cgtttttctt tgtgaaacca 60
catcttgttt tacttgatgt aaacttaccg aaattcgatg gtttctactg gtgccgtcaa 120
attcgtcatg aatctacttg tccaattatt ttcatttcag cgcgtgctgg tgagatggaa 180
caaattatgg caattgaaag cgggtgcggat gattacatta caaaaccatt ccactacgac 240
gttgtaatgg caaaaattaa aggacaatta cgccgtatctt acggtgatta tgcaccaaatt 300
atcttctgaac gtattcgtga agtagaaggt ttaaaactat tcccagaacg tcttgaaatt 360
cacttcggat ctgaacaagt tcttttaacg aaaaaagaag ctatttttagc tgaaatgtta 420
ttatctaaaa tcccttgtag cgcaaggcct gaagatttat tagcttgccc ttgggaagac 480
caaagctttc ttgaagaaat ccattaaccg taacattccc gtttcgaaaa aggttaaggc 540
ttggattgag actttttgaa caggacgggc ttggtatcgt tttaccaact tgggtggata 600
gctgaacttt tttcccgga atttgctttt ctacggctgc ttaaaatggg gtatttctcc 660
tttgatgcgc aaggggtcaa cacaaatttt ttccggtag aattattatt ttttttccct 720
taccgcgctc cactgaag 738

<210> 13230
<211> 755
<212> DNA
<213> *Aspergillus nidulans*

<400> 13230

tcgcctaggc tcgagaagct tgtcgacgaa ttcagatgaa agatttcgtc gagtatctga 60
aaaaaaacaa cttatgttta gataaaatct ttattattca tggggatcca gactactact 120
ttggattaga gagcattaaa gccgtttacc cagaagctat agcgtatgca acagagtcta 180

ctgttgaaca tatcgttcat tctgtcttag ggaaattaaa agtttggaaa gacgcccttg 240
gagaaaatgc accaagtaac gtggtattac ctcaagtatt caaagaaaaa gcgattgatt 300
ctcaggggtt aacatttgaa ctagtaggct tagatcatta cagaactagc ctatttaata 360
aagaactaaa agtattaatt ggcggtattc gatgtattta acgaaatacc atgtgttctt 420
agcggatact agcctaaaag cggctatgga ggcattgatt gagaacttga aagtttttcc 480
agcattacat gctgacataa ttgggcctag ccttgatca attctaaaaa tcctaataat 540
caggcctact gggacaatgg atttttaaga cggcggtaa gcttttgggt atgtggaact 600
taaaggattt ggggcaaact tgagcctata ttagcttatg caaaaagggg aataaaaca 660
gtgcaaagtg ccaaagaaa gcctggggta tgatcttacc tttcaacact ttcaccgact 720
tttgttctg ccacggtatg cgtcttcaac ctctc 755

<210> 13231
<211> 810
<212> DNA
<213> *Aspergillus nidulans*

<400> 13231
aatggggcat tgcgctaaac cctttcgatg aagtatgcat gatcgtggcg gtttttgtgg 60
gcaagaagcg ctatatgatg gccagccctt atcgggccat tgaactcacc caggtatcta 120
gatggtttct tagcataacg aaagtaacgg atctttggat gctgaagacg caataaaata 180
cgggtatgat tcgtcttcta ccattcagaa tactccatct ctgtgagatc ctatggcggt 240
ttatatatat tcatggacat actaaagctc ttgcggtatt ggagcgcttc ctctggtgac 300
agatctctct ttaaattctt gatccgctca gataccgca acaaaatgct gcatctttcg 360
tcaccccggt ctcaattagg aattaaatat gctcttgagc ttctaagcta cgatcgatac 420
catttttagag attacagtaa taacaaatta accttgggga tgcattgctta gcacttgcatt 480
cttggacatt cagtctcaag cgtaagctag ctctttgcta tcaagcattc cataagcaat 540
gaacatataa tggaaccttt attcctcaat caactgtcta gcaatcatct ctgcactga 600
tctgggggtt ttgttctaag aaaattcctg tgccgcgaca accttgggtt gcagtatccc 660
acctccgtgg atatctcttg tccccctttt tctctatcg tctttatatt accgatcttt 720
ttctctttca gttttcactc tcatttacac catgccgttc tcttcttcc ccattcccc 780

ttctcttttt attcaatctt ttttactctc

810

<210> 13232
<211> 787
<212> DNA
<213> Aspergillus nidulans
<400> 13232

cccacttggt tggagtaccg ctgcctagg ctcgagaagc ttgtcgacga attcagatga 60
ggattttttt ttacctgaga ttagtacggc aaaatggctt gctattatta tgtctacatt 120
acttgccgga ggtggcggtt tttgggcagc agcagagcca atgtatcatt tgatgacggt 180
gccaccaata catgatggta tatctgctgg aacgaaagaa gcagttatgc ctgcttttagc 240
acaaagttat atgcattggg gattttttagc atggacgatt ttaggtacaa ttagtgcggt 300
agttatgatg tatggacatt attataaaga tatgccgcta aaacctcgaa cgcttttata 360
tcctattttt ggggaaaaat taagaaagag cctgcttgga acgataattg atgcagctgc 420
aattattgca gtactgcag gtacaattgg cccaattgga tttttagggt tacaagcaag 480
ttatggatta caagaattat ttggaatttc taatgtgttt actactcaat tagcaattat 540
tgtttggtggg gtgggcgct ctaccatatg ggagtaccag gtttggtaaa gggatttaaa 600
ttataggaat ttaaagtca gattggcaat tgtttaatgg cattatatta ctatttgggc 660
caggcggatt attatggatc ctttgtcttg gtcggattaa gtaatagttt tcacgtggga 720
ctaccgggga tcagttggtg ggacttgacc tttttcttgg gaggttatgt aacgcacttg 780
tcggatt 787

<210> 13233
<211> 866
<212> DNA
<213> Aspergillus nidulans
<400> 13233

taacgggtatt tgatccagca ttttggtcag gtggagggaa gctaagtaga gcactgaacc 60
tgctcttggt atttgatg cgccagcga ctcttggttc gggtgctcgg ggcaaccccc 120
aacgcttcca tggtcgacta actacctcca agagctgagc tgtcagccag agccaccgct 180
gcttggtttt atgcactggt attttccttg cagagccca gtcctctttt tgacatccat 240

tggttctcga gatttatcaa aacactaaac actcatlaac tatatgctgg cattactgaa 300
 tccttaccga gctccacgcg cctagcccgt cgtgggatcg tcggaagagt cctctttccc 360
 ttcgtactca acttcttttc tggatatga catccgctct tcccactgt atccctgttg 420
 actcatttac ccttcacgtc ctgacttgta tattctcttt taccctttcc ttgcccttgt 480
 tttctttgtg cgccatttgc tgcatactct cacatctctt ctccctact ctactccgtt 540
 ttattcctta cttcttcgtt atctcacctt attctataat ttttctctc cactcctcat 600
 ttatttcctt tttcatttta tactattctt ttatcatttt cctctcatat actttttttc 660
 tatcactcat tttctctctt ctattcttac ctccactta ttcttctttc tactacgtgt 720
 attactaata tccttttact aacttttctc tcttactctt atatctatct tcatgcttgc 780
 tctcacatat atatcttctt ttctctatct ctctcttaat tctccctact ctctttcttt 840
 tctttatccc aactcttcat atttca 866

<210> 13234
 <211> 648
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 13234

tgggtgagcg ctggcccgtg ggttgatgga gggactgcag ggtgaggacg atggattggt 60
 gggcataccg gtcaggcagg atggtcagct cctacgagtg cctgtcatcg ggacgaaagt 120
 ggtttcgtat gagctgcaat gggcagatta ggtggtcgtt gatctgacag cgagcgataa 180
 cctctactaa acctccaagg gcaaagctgg caaaattgcc tcctctttta tcctttgttc 240
 agctagcggg actagaactt tctctgatat agccttatac tctgccgttt ctgaggaaat 300
 tcagacgact ctacagttat cagacgctta tttcgttca tactaatgta ccagctgaat 360
 gggaggcgcg caaccctgc accaggccct tccatccttg cacattgccc tgggtctcatg 420
 cttgccagtt ctgcgtagct gattggcctc ggcctctgac cagtactccc gtctcaagta 480
 tgcatagcct cagatgctgc tggatatact cgagtttctt ggaccgggat gctcccgtct 540
 tgtgcagtc aaatgtgccg gcagatgcgg tgagctggaa gggaattatt gccgcctgct 600
 ttatgttcgg cttctgggtc cgttggcaac aagatttgct tgcgtgat 648

<210> 13235
 <211> 570
 <212> DNA
 <213> Aspergillus nidulans

<400> 13235

gcgtcaaggc agcgtgacac ccaggctata ggagggaccg cccacttgt acggtcatct 60
 gtgtaccctt ttggtctctt ctgatgctac tagagtaggc atgtagggtt tctctaacag 120
 atcgtgtgat actattttacg caccctgcgg cttccaggat ctctcattgc acatatactt 180
 ttgtttgctgc ctattttaata aggtgcaatt ttgagccaga tcgccacgca cgcctctggt 240
 ggacatacgg ctatttcggaa gcgattatat acttcccaat cattataact ctctatcgaa 300
 gaaaaacaaa gatcatcacc gaggcaaagt tcgccacgtc gacagccctt gaggacaata 360
 tcacttatga tagagcggtg agaggcttgg agctactgct tctggactcg aggatttcaa 420
 ctaaggagct gcagaagaca ttcaaggaga catgcgtacc ggtagggac ggatacatgt 480
 ttgggcgagt catgaactaa acaataagtc tctttcaaga atcggactat gggaaagtgt 540
 tcagcacctg cagaatgaac gacctaagct 570

<210> 13236
 <211> 614
 <212> DNA
 <213> Aspergillus nidulans

<400> 13236

ggcgcccccc actgttgag agcgctcgcc taggctcgag aagcttgctg acgaattcag 60
 atagcgtcag taatttgaaa aattattgta gatggaacaa gtggttttgc agtaacaatg 120
 ttgttgccga tatgaggatg aatcatctca tatgaaaaaa gtgaataatc tcatgtgaaa 180
 agaatgaact tctgcactga gcaggttcat tctttttggt tataactaaa gcagagaaac 240
 cgaaataggg gtgaaatgat gaatacatta gaaattaaaa atttaacgaa aaaatttggt 300
 gatttcacgc cagttgataa tatgtcttta tctattaaag aaggagaaat atttggtttt 360
 ttaggatcga atggtgctgg taagagtaca acgattaata tgaatgctgg tttgttaaga 420
 agtaatgaag gcgaaattag catactagga aaaaatatta aggaacataa ccgttttgcg 480
 aagatgaata tcggtatcgt tccggaagat attgcgaatt atgaagaggt aactggctat 540
 gaaaagggaa aatttttgct gggttgccg gattaaggga atttagttaa aaacaaaagt 600

ggagaagcct tgaa

614

<210> 13237
<211> 730
<212> DNA
<213> Aspergillus nidulans

<400> 13237

ctcgcctagg ctcgagaagc ttgtcgacga attcagatgt tgtcgttttt gatctggaaa 60
tcgcaaggat cgagctgggt tgggaccgta acttggtggg tgactactat gtcttatttc 120
atattttact ggctcgggga ttcctataaa gctttgacaa ttttcggttt aatttggatg 180
ccatttatca ttttcgcac ttatcgatta ataaaaaaaa catatggaag tcctgtattt 240
ccacacgaaa taggtaaatt ggcgactcta actatcatta tcatgacctc ttttatattt 300
atattattaga acatgactgc cttacaatca actttttata agaatcagaa ggaaacagat 360
cacttcacatc tttacagctc taaagcggat tattcagagg ttgtaaagct tgctgataat 420
ttagaacagc attacgggcg tatcattggc ttacttaaaa cagagccaac gacgaagaca 480
aaagttaccg tttttttaaa ataaatcaat ctgggggtatt cgttggggct attttttaat 540
tttggtcatt aggcgtattt agcgataaaa aacttttatc ttttaccgaa aatcgggctt 600
ctattttaat tcagcattat gatttaccba tgcgactgtt catttgacag aaacacctct 660
cgctggagaa ggggtcaatt tttaggatac ggtttaatgc caaagcctcc aacctgtttt 720
gggtaaacct 730

<210> 13238
<211> 1327
<212> DNA
<213> Aspergillus nidulans

<223> unsure at all n locations
<400> 13238

tcaacggcaa cttcataca agaggaacaa gccgataggg aaaagatccg aattttctcag 60
tactgtccct tcacttttgg ccgcaactct cttttgccgt gcgccaacag gctgtttggt 120
tgcatggagt cccgatcctt agcagagctc atgtaccttc gactaaattc ttcgatgcga 180
ataatatctg gagcaggacg ccagacttga aaacataatg agatgctctg tattttctcca 240

caaggtacct gatgaacgtg attaggacag gccagttcc agttttctgg gaggtcactt 300
 actccttata tagcgtagca cactggcgct ttaggctctt cggcctatca aggcggtgat 360
 gttcttctga tcgaccttct ttctcgtggg ctcttgaaat atatccagaa acaagacaac 420
 gctcgcggcg cttcttcagg gtatccccac tgcactgagg acttctgcca ttgccagcga 480
 attgattaaa cctcgacggt aagagagcag ccatccgcat atggacgaaa aaagttggag 540
 gagaaaagga acagtaatcg gctgcctcat taacttgcaa acggaatgga gacatcttct 600
 gatgcttgcc agagctcttg tgaccagcag tacttgagct tagtgaattt ggcaattcaa 660
 agacttccaa caccattca caattatagg ctcattcaa tagcaatagg gcaactcaca 720
 ttgattctag gaaaccaagt ctgtatggaa catatatatc gaaatactac cgtccagcgg 780
 tcggtcttgg gtcatttata aatgcgtaag tcattgtcgt atccacgtct agcacaggat 840
 tcgtctcaag acgtgtgcaa gacctgtcgg cttccggagc aaaaaccgta ttcttgatcc 900
 ctggatgctg aaccgtcctg gatcgagagt cttgatcgca ttcgcaattca aattcgact 960
 cgcacttgaa ttgcctttg cgggtcttcc aggaaccatg aaccggatag aaccaatttt 1020
 cctgggtagg acccaaaggt aatttgtcac catgatgccg cagctacagg ataaaaaccg 1080
 ttaaataagc ttggcaattg cccctttttc attgaaaacc atccaaaagg ccggcggtta 1140
 aaggtttgat ctagaacctt aattccaccg tgaaaaaaaa ggccgttaaa agaatttttt 1200
 tttccctacc agggttgttt ctgtcctttt tgctttttat ttttcttctt atgatctctc 1260
 tttttcaatt aaaannactt tnntatattt tatttttttt tttttttttt tttccccccc 1320
 agcatgg 1327

<210> 13239
 <211> 870
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 13239

tctacggcgc gtccaccacc taagtactta actatagctc ggaggcggac cttgcctgcg 60
 acgtcttcga cctgatcaat aacgaagcct tcgcggcgaa tacctgcttc gacatctacg 120
 aggtcaatct catgtgtccc ctgcaatggg acgtacttgc tttcccaaca gagcttacgt 180
 accagccga cggggcgccg acggactact tcgaccggcc cgatgtgaag cgggtccatgc 240

acgcacctga gtcagctcta tggcttatct gttcaaacct cgccgctttc atgggctgtg 300
 atacctagcc ctaagtctga taggtctctt ttttgctttc tcctttttct ttcttccatt 360
 cttacgtggt cccaacctat ctaccttctc gcttattctt ttccacatca ctttcttctt 420
 ttttcttcac ttctatccct cacctttctt attctttcct attctctctc tttctcttct 480
 cattattttt cttcttctct tcctctctcc ctcccttttc ctctacattc tttttcattt 540
 ctctcttatt ctttcccttc atcctttctt cttccttctt tttactattt taattttttc 600
 cattcttctt ttattctttc tcttttcatt ttctttctct tttttctca tctcaccttt 660
 cctttctttt atctttctta tattctaccc ttctctgtcc tttattctct ttttctttct 720
 ccctttttct cttctattcc catatttctt ttatattttt tctttccttc tcttatctat 780
 tataaatctt actacactat tctcacctcc tctcttactc ttaaccattt taattttcct 840
 aatatatttt tctcttattc tttcttatta 870

<210> 13240
 <211> 221
 <212> DNA
 <213> Aspergillus nidulans

<400> 13240

ccgtttttcg gtggcgatct tgccaggctg atcaaagctc ctcgattttg ccagcgatgc 60
 catcatgctt tcttggtttc tatggctctt gattgaaatc ctggccatgc atccaacatt 120
 tcggttgctg agcctcgatt gtgaagctct caaggctggc cgtggcccgt acggttctcc 180
 gtccttctc atgatccctt tagtgagggt taattcgccg a 221

<210> 13241
 <211> 912
 <212> DNA
 <213> Aspergillus nidulans

<223> unsure at all n locations
 <400> 13241

ggcgaataac cctactaaag ggatcgagag aggaactgac aagccatgca tatctgctgc 60
 aattctgaag gtaaggaac caaactgacg ggcatcgagg tgctcgagtat ctgtctctca 120
 cttgtgtcgg gcgggtttga gacgattccc gggacacttg cctctgcgat cggattaatt 180
 tcacgccaga tggctgcagg cctggcagga ccatgcgtat gaggatatca agcgggtgga 240

cccagatctg caggatacat ggacggctgc cgtgacggag gagaggggtga cctatatcaa 300
 tgcgatcatc aaggaggcag cgcggtacta tactgtcagc tcgatgagtt tgccgcgcaa 360
 gaagtgcacag aaatcaactg gaatggggca attattccgc ccaagacgat gatcttgatt 420
 aatgcccagg ctgggaatcg cggtgcggtt tacccttgat atctccgcgc ttctccatcg 480
 ttactgccac cactactggc tcatgtagac atcgaccacc tcggtccac cggaacaga 540
 tttaaccag agcgctgact gtcacctag acctcttcag catcaaagcc cacgttgctg 600
 tcgtgactgg cggcagcagc gggataggcc ccatggtcgc caaagtaatc ccatctctgt 660
 atgacacccc aaattaaagc taaaggcgat tggatttatg nggatcatga ccaacggcgc 720
 aagagttcac atagtcgccc tccaacggac ccgatcgacg aaactgtctc ggacttaacc 780
 tcttgggttc agcatcctca gggggctccg acagggttac gcctgtattc tctgaccaa 840
 cctgctttgc ggaactgcat cgacatctc aagccaaggg gggaagctcg cattctatat 900
 cgacgctgga cc 912

<210> 13242
 <211> 719
 <212> DNA
 <213> Aspergillus nidulans

<400> 13242

cctcgcctag gctcgagaag cttgtcgacg aattcagatt aactcattta tttctttttg 60
 aactttttct ttgaagaat gttgctcact tttttgtttt gttaaagcta caattttact 120
 atctaactta gagatttcag cttgaagatt cgttaaaacc ctttctaact cctctttacg 180
 cccttgcat tttactcgat cttgcaaaaa cccttcaatc tctaaatcat aaatagacaa 240
 ccgatcatta atacgatgtt cttctaattc taaacgatta atctcttctc ttaatttctg 300
 ctcatctaca cgatctgctt ctacagtttg ccttagttcg cgtattttca cttctatttc 360
 ttgaatctct tgttttactg ctttaacaaa gttttctaac ttcgttgatt gttcttccat 420
 atcaggtaac ttgcgagtac actcttccag ttcacgttgg cgtgctaata aagaagatta 480
 cgcttgcttt accgccccac cagtcataga accgtcagga tacactacct cgccttcgat 540
 tgctaaatgc gaaacggtat tgcagttggt ttgccactta attgtccac gtaaattctt 600
 tgcacaataa caatccttat aaattggaac tacattttta tattattgct gactggacag 660

tctgccgcac acttccaacg atggtgttga tttcaagcgt aatgttaaaa gatacgact 719

<210> 13243
 <211> 909
 <212> DNA
 <213> Aspergillus nidulans

<400> 13243

tccctctact ataggacgac ccactgctta ggctcactta aagcttcctt ttagagacgg 60
 gggagaaaaa atcttccttg agaggctcaa gggggcgcta attcagcgga aatggctgct 120
 ctataatgca cctcctgcgc cacagcgacc atcgcagtca acaccacgt cagcaccaga 180
 tcaaactggc ctgtcaacta gtgtggatac ccaggctcgc tcacccgggg gatggggatt 240
 gccggtctgg aacggcgagg gcttgaagct cgcaaaaaca atgaactcgt aatcggaat 300
 gcttttgagg accttgaggc gctcatggcc tctgcgaaac agatcgtagc gcttgcctgag 360
 aactggcgc gagagtcggg catggccagt gatgaatctt cagcagaaac cagcgcggtta 420
 ctctccgaaa gtgctgccgc tttaggaatg ataaccacga aagatatgct cggatccagc 480
 gcaggaaacc tatatctctc tgaactgtca cgaactctcg cagagtatct caccgacgat 540
 cgaaagggtg tccttcagag agaaggtggg ataatgagtc tgattgacct ttgggcagtt 600
 ttcaatcgct ctcgaaacgg cgcttgagctg gtaagtcctt cggactttta acgcgcgcgt 660
 gagctctggg agaggctcaa attgcccgtt cgacttcgcc ggtttaaaag tggccttttg 720
 gttgttcagc ggtacgactg gagcgatgaa aagacccttc gacaactcca ggactggatg 780
 gccgatctgc gtcgcattcc acctccggac cctgtccctt gggactggcg cctttttggc 840
 ccgtcaggta cagcgcaaga agcagcccaa cgctttggat ggagcgttgg tgtgcagctg 900
 aggaactgg 909

<210> 13244
 <211> 157
 <212> DNA
 <213> Aspergillus nidulans

<400> 13244

ctggggacaa ccgatgttcc ccgctctgtg cgagtcgtac tcgacgaccg tgacatccaa 60
 ggtggccttt ttacagtcga gcagctctga actcgcaagc ttcacatgag caaaaagacg 120

gctcataccc tgggagcact gagcccgaca cctcttt

157

<210> 13245

<211> 826

<212> DNA

<213> Aspergillus nidulans

<400> 13245

cgataatacg actcactata gggatcgaga tggatgccgg aaacaacggt atcggcggag 60
gcgttgggat tcttgectct gtcgtcttgg ctggtttcgg tagttctcgg atttgcggtt 120
gtctgttggt ctggagtcgt aagggcggag tcaaggtcac ggatggcttc gatgcaagtt 180
tgtgcccag tggtgccacg ctgcgaaaga tgcttgagga tggcgagacc acttctggca 240
tatcttccct ctactattag attctcggac gatctcgaaa gggatacttg gggtggtacc 300
tagatgccga ggaagcggga aactcgcctt cccatgcggc gtagattagg atcaggcagc 360
tcatccacac ggccaagtg aatgatggcc atataagtgg tgtggaagag ccagaagatt 420
cagcgagaaa ctgtcgtagc gtggtgatta gggagcgtga ggactcgatg cagatttgta 480
gagcgggtgcg atattccgga gaagccgctt cggctgccag cagcggacgg ttcagtga 540
tgatggcttc gtgacggaga gcgatgagga gggtagcgtg gaacggcgca atgggactcg 600
atactatagt gtcggcatcg tcgaccccaa ggggatagac atcgtcgtag acttcgttcc 660
accagtgcgt tagctcacca tgaagagcct gggtcgcgtc catagagtct tctctatgaa 720
tgatcgactt attccgtact tcaataatac gtccgcggag actcgcaa at tttgccaggt 780
aacctaacia acgaagtcta tgatctaaga aagcgatagt gaggag 826

<210> 13246

<211> 476

<212> DNA

<213> Aspergillus nidulans

<400> 13246

agaaactacg cacgtgcatg gcgctagaat atagtgaccg ctcacccaaa cttttgtgac 60
aggaggtagg acgcacgaga cacgcgggag cgctggagaa ttgcaggaaa cacgcccag 120
caaggtagct tgatggagct caacataaac atcatgcaca ctgatctcat cccctttgat 180
gccaagtac aacaatctgg tcgctggctt ggatactagc ccatattcat aagccaggta 240

aacagtaaca aagactgagg ttgccggtac tctcgagcga gcagagctaa caacaagaaa 300
tattccaact agtgaagac tgctattcgg cacatataaa ggtccctggt taacatgagc 360
cgtatctcat attatataca gatatgctaa accggaagag catggatgac gattgtacct 420
tacaacgat gcgcctgagc gaattgatgg agcgagtcta gctcgtagca cgaatg 476

<210> 13247
<211> 542
<212> DNA
<213> Aspergillus nidulans

<400> 13247

tatacactac gatttaggtg acactataga atactaggat cagaaaatga acaagcatct 60
catcgagttg ttagacttga aacttcttaa cgaatttatc cttgcttttg tggcattaca 120
aggaacttga agacgacact tttttttacc ctttttcttt ttctctttcc ctcccctatt 180
tttatttatt ttttattcat ttcttataac aagtgagcat gaaagtagca tgggatatgc 240
tagacacgca ctccgcagat ttaatctcgt cttgcgtcgt tttggatgac gggacgatct 300
caatgagcgg catcaaataa ggtcaattat aagagcgaat ggctctgaga cgcgatctgt 360
cagctacata tgtgtttttg gatagaccac gaggtgcccg aggtcgacgc cagaactgcg 420
ctatcgaggg tgcatactca tcgatcgtag aatagatgct gcgcttaaata tctggcttct 480
cttatccttg ctctaggtgg atatcggcgc ccatgcaggc ttctgccacc tctgtccagg 540
ag 542

<210> 13248
<211> 787
<212> DNA
<213> Aspergillus nidulans

<223> unsure at all n locations
<400> 13248

gccccattg ttggagagcg ctgcctagg ctcgagaagc ttgtcgacga attcagatga 60
taaagtttat tatcgtttag aagtattttc gtgaagaatg tacgcccgtt tatatacgtg 120
agcattcagg aaaagggtt ttccgcacat tcggaaaacg ctttttttta aatgataagt 180
ataggataga aaaggagaag taacattgac aacatttcga gaattaggat taagtgattc 240

tttactgcaa tctgttgaaa gtatgggctt tgaagaggct acaccaattc aagctgaaac 300
 aattccacat gcattgcaag gtaaagatat tattgggcaa gcgcaaacag gtacagggaa 360
 aacagcagca ttccgattac cactattaga taaagtggat acacataaag aatcggttca 420
 aggtattggt atcgcgcaa cgcgtgaatt agcaattcaa gttggagaag aattatacaa 480
 aattggtaag cataaacgtg ttcgcatttt accaatttat ggtgggtcaag atattaaccg 540
 ccaattcgtg ctctaaaaaa caccacaca ttattgggtg tacgccgggt cgtatttttag 600
 atcatattaa ccgtaaacac tncgcctgca aaacgtatag acagttgttc ttggccaagc 660
 cgaatgaaat gttaaacaatg gggcttattg aggacattga agcattttta cagaggtgcc 720
 gaaacacata aacattacta ttcttagcgc cattgcggat ccaatccccg ttttgtgagc 780
 gttcaga 787

<210> 13249
 <211> 751
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 13249
 gtgaccggcg gatacttctt caaaggcccc tgaatcaccg catccttgca cggctgggtg 60
 aagaaggcga tgctatatca accaccgatg taatcccctg cactctcgga cgccctgacc 120
 cggtggaagg tgctcttgaa cgatcgctcg atcagctcat cagcagatcg ccggtattac 180
 acacgatctc gccgcctctt ggctcgatct tgggtccattc gtctccaatc ccgaattcag 240
 tgacgctctc ccgtctcggg caggtctcca ggcccactg accctctttc tggaagagga 300
 gggtgaggaa gtcccagtcg acgtgcgcgc ccgcgctgag gtagggctgg ccttctgcac 360
 ctgcccctgc cggtgactcg gacggcggcg ggagggcaga gtagtgcagc aatcggcatg 420
 ttgtctgtgc tttcggcctc gagatatcgt gtgctttgat gaagaaatca tctaggaagc 480
 ccagtccgcg tgcgaaacaa cgcacagga gttctgaaac ctcttgatc tgatgcatga 540
 atgccaggca cgtctctctg aaccgggtca gatactgac gtccagccac agcgcgctcc 600
 acattctcgc caaactggac tttggatgac ttcttctggg tcgggtttgc cagtctaccg 660
 gccgtacctt gctctttttt tttccagccg actttttttg ggtttcaagg gaaccgctgc 720
 tattgatgga ttcgggtagt ggggaaaaaa t 751

<210> 13250
 <211> 1386
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 13250

```

atacatacga tttaggtgac actatagaat actaggatct cgcctgtaat aggagagtgc 60
atggagcagc ccgtactgag gaagctcgcc actgtcctct tgcagctcgt tacttgcgctc 120
ttgcgctttc tgggcctggt actggatggt ccgcagacgc ctggctctgg catgggtgga 180
ccgagcagcg tgggaccgag cgagcctccg ctcggctgcc gagggcttag cagcctgtga 240
cggcatcgctg ttgtgaataa attgtatctc ttgagacttt aacattggat acctagggaa 300
ttatggagcg gaagatggaa gaagggtcga agacaaccag cttaccaaag tactgggggt 360
gtcagctcag cctcagctag cctttagata tagggcctgt cccaggctaa cctgttccag 420
tttagattaa cggaatgcc aagcattgcgc cttctaaaag aagaatagtc catgtttcca 480
agtcttggcc tgtggaaaca gatattcttg gaaacactaa cattaggaag ccgcccttga 540
ttacagctgc agagccttcg gtgtcttgtt aacagtacta gcgacccaag aagactgttc 600
cattcaggcc aaggccagcc cctgtccgtg acagaagtgt ttgtgatcgc acacgcgtag 660
ttgcgtatag atgctcgcca gcgagtcag cggttttgct ctccgtcatc cgtaagtata 720
gtaccctctc tagttgatag tctcagctc atcgatgttg gtcagcgagc tttttcttga 780
tcataatgtc tggcttagtt gtcatcacgg gagctaacgg ctactcgtc ctcggcttcg 840
tcgaatcctt tcttgctta tactcccaac atacgtgat cgccaccgta cggaatccgt 900
ctccagaaag agacccaat accgccaagc tggatcatct catatctagg taccctccg 960
cacatgtcct cgtcgaaggc ctagacctag gcagtctagc ggccgtgaga tcattcgccg 1020
acagcctcgc cgccaggata tccaccaagg agctgccgcc catcttggcg atcgtctgta 1080
atgcgttcac ctggtcgctc gagtcggggc agaagttcac ggcggatgga tttgaagcga 1140
catttcaggt cggccatctg gctcaatacc tgctcgggct gaagttaatc gagagcatgg 1200
atccccgcgc agggcggggtt gtcatgcctg gttcaaccac ccactaccg acaaaccgaa 1260
ccctcttctt cattgcggcc gggcttccca ggattttgag agctagttaa ccgcggcgga 1320
accgccgaat ttgtgcatga ccgggggttc agcgatcgga cggttaatgg taaagtattt 1380

```

<210> 13251
<211> 1413
<212> DNA
<213> *Aspergillus nidulans*

<400> 13251

ccccctcca tctatattac gccctgtttt acccaacatt tcatatccac caacgaaccg 60
cttccccaat ggatgggttt cttaaagcag tggggggcctt acaaaccccc tgaccgtaac 120
gctgggcaat gagtaccgct gtgggcgccc catggcgact tcaccaactc ctgggggaag 180
acacaactat gccatgggca tcaaaagaga ccgctgagac acttcaogag gccaaggatg 240
aatagatggc tccactacag gaggcattctc agatgggcga ccagagggat cacgattacg 300
atgcgggtga cgcaggcacc gttggcgatg acgactcacg cagcttggaa gcagttgccg 360
acgggagcat tgatgaagaa gaggaagaag atgatgaaga cgacgacgac tatcgcggaac 420
gcccaggcga tcagcagcgt ggctcttaa ccgatattcc ccttgtgtta ggacctgctg 480
agattgaagc tcttccgatg attattcaag ccgggattgt agacagcttc gggctcaagg 540
gtggtgaacg gactggatcg cgaaacatgc aggctctgcg atgccacatc ctctcacac 600
aggagacagg acgcaatctg ctccgtgagc ttttgatctt cattgctgca tgggaccttc 660
ctgacgacga gctctacttc aagatgatgg tgcaaatcat ggatgcagtc ctaagaaacg 720
gcctcatgtc tcacgcgtac tcagattttg gtcaacccaa ggatataatc tctccagcgc 780
aggcagttgt tgtgaaaatc ctacgcaca tctttcgagc caagtactca cccgcttcag 840
tcaactggctc cgccaagcc aatgccacca agaaccggc ccctctttcc agagtcatg 900
tctcacctg cgcctatctc ttcactatct agcgcggtaa catcatcccc gaaacatgtg 960
ctctcattta cttgcagggc cagattcgcg ccggtcgcgc tttgccagaa gacttccctc 1020
tcaacttggtg ggacatggaa cgggtatacc gatagcgttt accaattcct tgaattcttc 1080
gctgtcctca cagagaacaa cgattggtaa aacctttttg ttagctggaa gatcggttat 1140
gaccttgaaa cctcataag ggaactcgag cttgcatccc aaggccact gagccagttg 1200
acctttgcca aacagccctt ccaagagaca acaaaccgct gccacgttcc ttgccgttgg 1260
cgactctaca cctgcgacca cacctcaatg gggccccgtt agcccagtc cgcatactgg 1320

gaacttcaat caggggccct gaaaaactgt cgtcagtttc ccttggggaa acctgagccg 1380
gtaatctagg tgggggggaa ccctcttcaa ttc 1413

<210> 13252
<211> 373
<212> DNA
<213> *Aspergillus nidulans*

<400> 13252

catcgaataa tacactacta tagggagacc caagcttagg atccatggca tcgcaacagc 60
agctgggtcg tatcgccacg gtccggctgc caggacccga gacatgaaga gctcgaggtc 120
gtcgaaagac tgggctagcg gtccctgccga cggcgatatc attgggtgtct cttcggccac 180
gccggagacc tgcccgccaa atgggtacgcg gtctgttgtc ggcttgaaac cgtacagacc 240
acagcaaagc gcaggaatcc ggatagaacc cgcgacatca gttcccacgc cgaggataga 300
gcctcgaaaa gcaatgaggg ctccctcacc gccactcgat cctcctgcag tgaggttagt 360
gttggggggg ggt 373

<210> 13253
<211> 767
<212> DNA
<213> *Aspergillus nidulans*

<400> 13253

aaacatgaga ttcgcgccg cataatacga ctctatagg gatccagctt acacagaaag 60
agcgtcgaca taatggccct caaatgtcgg cctttccacc ccgcgcggca gcggcacatc 120
aggctatgta cagaaaaacc acgccttctt gcgcccgcgc aacaccggcg caggtgcacc 180
atatccatcc cttcttcat ctcaaaagac ggatccgagt cctccttcag cagcggcaac 240
cagatagagc tctcctagag cacgaaatga agcgcgagat tgaggtcaag gtcctcgagg 300
agcgcgaacg gttagaggat ataaatgagc gagtggaaga ggggaagggc agagaggggg 360
agaaggtgcg aagtgaggaa gagatcgaga agatctgtga tgagctgagg gaaagattga 420
caagggaaat ggaggatagg aagaacggca atgggagaaa tgatgggagg aatagggatg 480
ggaagggcaa gaggggtttt aaggcctatc aagtgcata gcttgcgag gcgaagatta 540
aggagagtga gcgtttgagg agggcgcttg gaatccggga tctggatgag caggggggcg 600

gtggtggtgg tgggtggcagt agtagtgcca gggcggaagt tgagaggagg agggagaagg 660
aaagggagag ggaaagggaa aggttatagc tacgttcact tccaggatat tggttctcat 720
accatggcgt tgggtgtcac ggttttgggt cttgagttgg gctgata 767

<210> 13254
<211> 995
<212> DNA
<213> Aspergillus nidulans

<400> 13254

tctaactttt cgctagagcc cctaacaaca tccatccacc attcccgatt ctagatgagc 60
agattgtttt gaaggcctat cagcaagatg gcctcccgta tgcccttgca tgtgaaatat 120
acgcgtgctc gctgctactc tggaaatcat caccaaaaat tgcagcctct aaccgtccgg 180
tcccagacat aagatacatg tggaatctga cggttagtgc gatgaacgat gattttctga 240
gcccaaactt ctcgacgac cttggcttgca tactggatct cctgggacgt ccaattacct 300
ctattacata taacgcgggt aatgtcggcc gtgttgctgc cctatcgcag agcttaggg 360
taaaccgtaa tccttccacc tggggcggtg actcacgtca gaagagctta cgaattcgaa 420
cttgggtggg tattctgata catgatcaat ggtatgtccc ttgacacctg atgcttgtgt 480
agtcgtgaaa ggattttgac tagtataggc cgagcctctc acatgggtacc cgcgccata 540
tccacaagtc cgtttgggat gtgccgttgc cggactcaga ctgccttatg gtgagcatta 600
cacctggcga agtctttcca cccgacgctc gagttcaagg agccactct ttcattgctc 660
tttgttctct aaccactctc ctccgacaaa ttcttcccct aatctacgtc ctggagggtc 720
agcccctaga ggcatcggtc agggcactcc gacgccacga aacagcactc aacgaatggg 780
aagaaggcct tccgtcatgg cttcgtccca gctctccggc cttcgagcgg aaagcagcag 840
gagcactaaa tctccagctc tcattcttag ctgtgaaact gtgtctttct aggattgcgc 900
tgctggagat acaccgatcg aatgagtctc ccgcggagga ggataaatta tactaccgat 960
ctatatgccg gaaggcccaa gacctgtgtt gtttt 995

<210> 13255
<211> 1139
<212> DNA
<213> Aspergillus nidulans

<400> 13255

tggactcgta ctgttcggca ccttaaggac tcagggccct tagcaaggtc cagggcgtag 60
agcttctgtt ctgagatgtc gacgaagcga agctcattct tactattgtc ataaaatggc 120
ccctcgagta aagtccccga tacttctagg tacggctagc agtaaaagag tgagattcca 180
aagtccaata tacggcgcaa ttgatgatgg gtcacagccc accaggcacg tctgccagggt 240
ttcaacgaca caagactcca gtccatacct cagaaaccgt ccacttctgg atggaagaca 300
ttcttgggtct gagaccctcg cttgagctgg aacgggggtga gatggtgaca cagcaccgcg 360
tctattagaa tggtagatat agaggtgaaga cgatcaatca actcgatagc tcggtgtgat 420
tgcgaaagtg aaactcgagg tcaactgagag ttgaatcgtg gccgattgga aagcgccaag 480
ccccacatga cttcccaatc gggttcaggca ctctgccggg ctcgattcgt gatgtttact 540
ccgtacctac tccggattgc caagacgcaa gagtaagact gtggtaggac ttggttgctt 600
cgtccactca agccgggtcat tggccttgat gattattgtt gggacttccc caagtttcat 660
cgagtccacg tcaactctgt actctttttg gtaagctaca tttaaatacca tgtaccccct 720
agctgtaatt ccagccaaca ataataccta tcgaaattat tcgggatgtg attcggctta 780
ggaattatca agtctccgac gcaagtgcgc cttctgcctc acgagtcctt cagacaggcc 840
gtccaagcct ggctaagaca gtgcacctgt catgcacata agcggtcgcc tggaacgtgc 900
cgagatgtca aaaccgtctc tgtatgagcc ttctcttgca tgtccaggca gcaatagcga 960
aagcggcttg cgtttgtggc agagtatgca cgttggttgg gaacctccac ggcgctctg 1020
acggattccg cagcattgag tctcgatgct atgacgcact cacgaattga ggcggtcaa 1080
tttacctgtg agcatgacat ttcggagcaa caatggacga actgaaagca aatgggggtt 1139

<210> 13256

<211> 693

<212> DNA

<213> *Aspergillus nidulans*

<400> 13256

acacgtttgt ggtgagcacg tcccggctcg agaagcttgt cgacgaattc agatacaatt 60
agaagttttt tcgttaaata tgaacgctgt aaatagcagt ttagaagaag catacacaac 120
tgtgaacggt gtagctgaaa tgacagaaga gttaattgga caagcatatt tagtggaaaa 180

attaattcag tacggttaacc gttaccgtag tcatgatgaa aacctagcag aaagtttaaa 240
 ttatgctgag aaattattcc gtgaatacca atacgatgca gctttagaac aagcggcttc 300
 agtggttagag caacttgaac ctggcggttg tcaaaaaata gctgaatatg tagacaatga 360
 acaaaccctt tcataaaagg ggttgctttt ttatgtaatt ttgcaggcga tgttgctata 420
 atgaatagcg gaatacagtt agggatttcg tttcaaacta aagtgaact gtaatcgggtg 480
 ggaagattca ttcccaatga tttctagcct tcaccaatcg ggcatttacg ggcagttaat 540
 ctcccattac ttttttgta actggatttt gggtagaggt cttatgcccg ttacgcggat 600
 aaaggaaaact gaataggggg catccttaca attttaagct tcacatgaga taaacgacct 660
 ttggatctag ggaagcccga tttttgttga ttt 693

<210> 13257
 <211> 546
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 13257
 cccttcttat cgaatccaat ggctgggatg gcggtgactg tcttttctt caatgatgaa 60
 aacagccagt cgaagaatat tatgaccaat gattcaggcc atttttcggg tgcagcgctg 120
 ctgtcctttg ttccacaca cgtgcgcgtg cttgcatcgg aggacctctc cgctgtgaag 180
 aacgtcgaaa tcattgaacc tacaggcgtc agtatgatca gtgacattga cgacacagta 240
 aagcattcag ccattgcgag tggagcgaag gagatgtgcc gaaatatatt cgcccgcgag 300
 ctgtcggatt tgaccattga gggcgctact gactggtata atgcaatggc caaagcgggt 360
 gtgcaaatac actacgtctc aagctcccca tggcaactat atccgctgtt agatcgcttc 420
 ttcaagatgg ttggcttgcc gcctgggtct ttccatctga agcagtatag tggcctcttc 480
 cagggtatat ttgaacctac tctggagcgg aagaaaggaa atctagaaag aatcctgcaa 540
 gacttt 546

<210> 13258
 <211> 504
 <212> DNA
 <213> *Aspergillus nidulans*

<223> unsure at all n locations
 <400> 13258

gactgacaat tcggccgatg atccatctga gacaacgggg tcgattgtcc cggtcattggt 60
 taacgtatatt tgagcgcacc aacgggctcc taaacatggg gcatctgtcg acgtggataa 120
 gatataatcc tgaaaccttt aggacgccag gggccatata tgatgtgtga atcaccaaga 180
 gccgaatccc ttatttgctg attaggcggc ctaatggaac aaggaggata atgctaccaa 240
 ggagctcgca ttggacgacg ggcttgagaa tataaagatc agaggactaa taggatcagt 300
 agagcacaca taagcgagag attttgtgag agtaggacct caataaagat tcaacagcac 360
 ttcgcgagaa tgtgatgagc gcacctgaat ttgatganag nnggcattgt ctatttctcg 420
 gtaggggacc atgactgaga ttgacatcga ctgatagcac tacttcgatg gatcgataac 480
 agcaagcctt cttgcatata ccta 504

<210> 13259
 <211> 525
 <212> DNA
 <213> Aspergillus nidulans

<400> 13259
 ggaccacact tcggatgaga gaatctcgca cgcaacatag gctcgcttga gacgctcata 60
 atccgctcgc tcaaggctct caggatccag gtatccttga gaggatcagt ctcttctct 120
 ccggccgagg agtcatcatc cttcgcccga gaacctcct tttgattagc cgtgtccgca 180
 tcaccgtcat cttcatcatc gttcaccagg ctagggcgca tcacgtagtc cataagcttc 240
 ttcaagacat catcttcgcg tagatactct atgagtttcg cgttcagttg cttgagttct 300
 tggatcagtt cggattcgtc tagcagctct tcaaggctga caacggggtt gtccagaagg 360
 gagtcgatgg cggagacgct cgcatacccc ccgaagcgcc aaaacatggt ggattaaatt 420
 accggaagaa acgattcatg taaaaaaagt agggatcac aagctttttt caacacogta 480
 ctcttgccc aagcttcaat gacgacgagc ggtctggata gaggg 525

<210> 13260
 <211> 848
 <212> DNA
 <213> Aspergillus nidulans

<400> 13260
 ttggggcata tctcggacc gcgtgtcgcg cgtagttcat ggacgttcac gcggacattc 60

atcacgggct atctctgtgt attgggggga tactggacgt tttattgctg tccacacatc 120
 tgggtgtaga ctagctccaa tgaatatgga aacttggtta cgcttgctta ggttgatgga 180
 gagcattttt tatcagacca caacttgata caagtagctg cattggggaa ctattataga 240
 tctaagca ttggatgcca agaccctgta actttaagag gtttgtatgg agagatctga 300
 caagcgtcag ctttccctac cttgtaatct attogaacgt caatcctggc ttcctctcta 360
 tctaagttag cataaaatct ttgtcgtttg cgctgccaca acttcttttg gttcctttaa 420
 attaaaaact attcgagttt taacccgacg acctattaca catggtgagt ttttagctaa 480
 aaacatggtg gtcaggacac aaggtctctt cccaaacctc cttttctttg ccgtattttt 540
 ttcttttaaa aaataaactg ctggtatggg gaacctgctt aaaacttata attttaactt 600
 ggttttaaat tagccctaaa aatgggaatt tcaaaaaatt ttaagtccac aaattttccc 660
 taagactatt tccctatggc tctacgttat atgtcacctt cctaataaaa acccttaaca 720
 ttacccctct cccgatttat taattgtctc ccccaaaga ctattatatg tggaaaatct 780
 ctttttttgc tgacaatttc ttttacctta aatttttcca caatttttta taaccaata 840
 acctctct 848

<210> 13261
 <211> 620
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 13261

tcttgatttt caagcaggat ttatcatctg tctctgcttt ttcattgctga catgatgttt 60
 aaatgctcgg ccgtgggatt actacatata ttagcagcgc cgagaatgtc cgctgccttt 120
 gcaattccag agtcgagttc tactgacctt gatctgacga aacccaaaca atcccagcag 180
 ttcacgttca tcaatgtaac acgccgtagc cgtgtcgaca atcgctttgt tttgtctcga 240
 gtcattatcc tccttactat taccagaata ctactgtat gtttaaggag gccgcgtgga 300
 gtatctgtaa tagtggcgtt tcttatgatc agcccccttc acaacgtggc cgtgtgacac 360
 ttcaaacttc ccacataccg tctgcacact gcattgcacc gtgccgattt gccataatgg 420
 ggccagacac cagcctctca ctggtcgtta gaccatcggt aaatatcgca tggaaaccggt 480
 attctcagac caagtcatgc acgtactagc tacttataga ctagtgcaaa ccaacaatcg 540

gtttcgatcg caattggccc gttcatctca aatcagggat catccttccg ttccttaatc 600
agaacgggtgc atggtcggga 620

<210> 13262
<211> 675
<212> DNA
<213> Aspergillus nidulans

<400> 13262

tcgctgcttt ccgtgagcac gccggaagtc attgaggctg agtcgtcggg cgcgtcactt 60
ccctttttac gcctctttct tctcttcttc ttctttgttt tctcgcttc gttttcgta 120
taaatactcg cttcgggggt atcattaaaa tcatcggtgc cttcgggtctc ggttcgcttc 180
agaggctcag gtccagcctc aggtccctc tcttccggaa tggaatagga aacttttgat 240
tgagaaacat ttgccgttgg cgaggtactg cgttgctcaa tcttcgactc ctcaggttca 300
aagccacccg gcataaacca ctcttctca ttgggagact cggactcttg tctgcgttcg 360
gcaaacgac cctcgtgagt ttcgtgtgcc tccgcaacgc ttcgagaaac atccttggca 420
atatcgccag caccgtctc agctttatcg acatgctcaa ctacaggctg atcgatagtg 480
gttgggcggg cagcctccca ggtccgttca ggttgattgt caaaggagac ggtctgtcga 540
agattacagt gctgggatca gagaagaact gtgattttgg agctgagggc tgcgactcc 600
gccctcacga aacccgaat tgttgggtag caggaggttc tgactcgccg ttgccgaacc 660
acatcgatgg gagat 675

<210> 13263
<211> 1221
<212> DNA
<213> Aspergillus nidulans

<400> 13263

gagatccgac agcatggatc ccagcgactg aaaagatcgt ttatctccaa tgatctagag 60
cacatcagca gccatgatga catttgccgg ctccatctct tgcgaccgc acactatgag 120
caacgccagg attgggagca catgatgctt ggtggaatgc gtggcgaact tgttcccctt 180
gcaattgcac cagagagtca tgcttatgag cttagacaaa agttccaaac atacggcctg 240
gaacttgaac ggaccgatat gagtgcagat ccagagtcga tactcgcagc acatttgagt 300

aatgggacaa tagcgctcta cagtacaacc acaggagagg cagagggtca accattcgga 360
cgtcttcatg tcgatgccgg gagtcctgca cgttacaaga gctccagggt tctctcctca 420
gaccgcttgg ctgtggcgac gggacgcca gaagatgcaa tcgccgtctt tacgatctcg 480
caaggacgat tgacgggtga gcactcatta tcggccgatt ttctaggctc gccggcctta 540
actggattcg ctaaaagatc aaccgttact gcaatagcgc cgctcactgg acagaccgga 600
aattccatag gcaatacctt ccttgacgcc tggggggatg gcgcagtcgg gtaagtcttt 660
gcctcactgg tgggtctacga agtgcagcac taatgacata cagacttcat gacctacgct 720
ctcacaagcc atacgaaggc ctttacatag acatagcggg ccagaacccc gtatactgca 780
tccaccgta cgggcacgat cgattcgctc tcggcgcagg gggcgacgca gttgtcaaga 840
tattcgatat tcgaatgccc tctacctacg actacaaccc tgcaagacga caatcatctt 900
ctagccggcc taaagggtga actacactcc ccacatcttc ggcgcaccca agcaaagacc 960
tctctatctt cctttctcta aaccgcccc cgacgcgcaa tgacagcgct tctcggtagc 1020
ctaggcaccg ctaccgggtt ccaatatata ctatgtcttc ccttctcttc ttatcgccaa 1080
caatatacac aggtatcgcc ggaggggttg tgcgactcga cttcgcgtct acagacgact 1140
taaccgctac ttataaactt gtaccgacgc tctagaccc gacataaatg cacgaaattt 1200
taaaaactat ccacatctct t 1221

<210> 13264
<211> 582
<212> DNA
<213> *Aspergillus nidulans*

<400> 13264

gcgatgctgc gttctcaatt gcacgatatt cttcgactga cgtatgccaa ttgcgagacg 60
gaagtacggt ctggcggaag atccttctctg tctagactca ggagtcttga atctattcga 120
acaaatccat attcaatatc gcggatcatc tagctaaacc accaatccat cactcccgga 180
gccggatgga gcgggtatca aaacagaccc cggccctacc catcattact cacatatgca 240
gaaaccttcc atatcaacgc ccttgagccc gggctgcacg caaaaacaaa ttctcgagcg 300
ggccgactgg aaaccgggag aagcccagac gacggatcag gcagatattt agacggccta 360
cagaagctca atttcacact gggcccatct tagtgggtcg ggccgtaatt tgacctcttg 420

agccccgtca tgattaagtt ctgcagcttt gatatatcga atgactctgc accatgccct 480
 gttgaagccg cacctgtcag cacaacaatt gccgctgaga gatcatgccc atgtgatgcg 540
 atcgcgatcg gtcttcgggt cgtaactgct agatgatgcc ca 582

<210> 13265
 <211> 743
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 13265

tccccctcca gccgcgtttc cccgcagaat accccaatg tatacacctt ttccgccaat 60
 gcagatgcca cctcgtccac acttcaatcc atatgcaccg gccttcattt catcgtaccc 120
 cccttcccag cccatgatgg caccggctca catgccgcca caaccgcttc ctttacaacc 180
 aagagcgtcg acgccatttc agaaccgat gtcaccgtct gttggcccgg ccccggcatt 240
 catcccgctg cagaccaggt ctctgtagt gatcccgctc cactctacac ccagcccggc 300
 catgtcttcg tcgcctgctc ccgccccggt taacgccgtg ccgcccacca aagaaccctt 360
 ccgcgcaccg gtaagatctt ccgtaactca tatcagacct gatgctaata cctggcagct 420
 cccgtggctt tctattcccg atagtccttt cccggccagg gctccccgca gacaacgaaa 480
 gactcgcaac ttgcaagctt cctctctttc tgtggagctt cctgccaagg atgggcaacg 540
 aattcagaat gaagaacctt gcaaacccca gggcactcag acacagacac cttctgaacc 600
 gcaaactcca actttgtcgg ctgctcctct gttgcggatt caccagccc acgactccat 660
 cttctgtgtg gccgagctca tctgctcgtc agtccaaagg atcaaaagca acggtccctg 720
 ttgtgccggt gggtcgggtt gtt 743

<210> 13266
 <211> 733
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 13266

ctgcgaaagg ctcgaggcca ctttaciaag atccaaatgc tgcaattgaa gacaggggtg 60
 ctgacttgct gggtcgtatg acccttgagg ataaagtggg ccagttgatg cagggttcgt 120
 tgatctgtat ttggaaatgc gtccacaata ggtgggtgtc cgactgcgat caaccacat 180

ggtgatgata aattagttgc aatggctgaa tattttccag gtgacattac taattggatg 240
 aacgcggaca ccggagagtt caactatacc gggctggaag agaatatgaa gataaaagcc 300
 ggcattgttct atgggtatgag tcgttgccca aagccaggca gcaccatcac taatgacctg 360
 gaatcctagt tggctaccct gtcccgtggg actggatcgc gacaaatgtt aagcgcgccc 420
 aagactacct tctagaaaat actacacttg gaattccgc ttttgtgcaa actgaagggtg 480
 cgtagtgagg cgctggtaat aggcaatcgt tgacgcattg cttgatttgc agcaattcac 540
 ggtttcctga ttggcaatgc cacgatctac aactccccta ttgcatatgg ctgctctttc 600
 aacaggaagg tgaggtttac tgacctgacc aatccgcccg tttgctccgc accagtgcct 660
 gacaggaaca gttgatccac gatatggcac ggctcataag ccaggaggct cgagctctag 720
 gagataacca act 733

<210> 13267
 <211> 1229
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 13267
 ctttgatcat ctatacctat tttcgcgtcc tgaaccgcgg ggcgcacatt cgccgagctg 60
 gacgttctct ttgagcgcag gatcagtgtc cgtaagtttg aaagcacgca ggctgatgtt 120
 tttgatgaga catttgaagg caaggtgggtt gaggactatc aaaaccagaa agggctcccg 180
 gatgatccgg agaaactacc tactggcgtg ttctgagctt tggttaacca cataccgctt 240
 tcttgcatcc cataatatct aataatgagt gtacataata cgttatgagg caacgaatgt 300
 gtctaataat gcctttactg ttatttcaga cagggttcatt gtcaagttct tacatgtgcg 360
 cataggctaa cattctagcc caatttctta ctctgctgac cactgaggct tcttcttttc 420
 cgcaaacgca gtcattcctt tctctccgtc agtgccattc ttggagtaat ggtaaaggga 480
 caaaaaccta ccgatcttct gatcctgact cccgaacaac ccatggaaca gcctccgctc 540
 gtactcaacg ccctccctca ctcccaaate ctgactctta ttcactactt ccttcgccc 600
 aacagtcgca acccggtat atccggcaat tgtctcgga gtcttactg cctcctcaag 660
 agttcctcct tcccaccatc gacaaccttc gccgaactc cccactcacc cgctctttg 720
 ccgctgaagt tcttgcccgt taagatgagt tccatcgctt tactcttgcc caccgcagcc 780

cggagacgtt gcgacccgcc ggcgcggggg ataacgcca gcttgatctc aggctgtccg 840
 aacgtggcgg acgcggtgca gtagatgatg tcacacatta gagcaagttc acgcccaccg 900
 ccaaggcgga agccagaaac ggcggcaatt acaggcttgc gaatagaatt cgcgagatgc 960
 gaccaagggg ctatgaagtt gttgctatac gcggaagcga aggttagagg ggccatttct 1020
 ttgatgtccg cgccggcttt atacacaaa aatatctgtt agaattgcga cttgaagaga 1080
 aagagccttg acatggagta gacaagaaca ccccggaaca agccatctcc cccctgtga 1140
 tgatgatagc gccaatatcc atgatttcat cgtatttggg gagagcatcg ttcacttctt 1200
 tgcagagagg gctgtacaga cagttaggg 1229

<210> 13268
 <211> 529
 <212> DNA
 <213> *Aspergillus nidulans*
 <223> unsure at all n locations
 <400> 13268

tccgagcata gttcttggan aggctcacgg catgctgcat ggcgtcttat ggacagggat 60
 tcaaaatggg tgtatcaca ccacgcacca tgaactactg caggaaccac tgtggtggtc 120
 ctgagggtct tcagctgtgg aacagagaca cactccggt acaacatctg aactattaac 180
 atgcactgca tagctggaag cagctgaaaa cagtcatagg atcactcgct ctatctgtaa 240
 ataggcaaat caacagggga tagagtagga aaaacgctcc ttcacgagct tatacagaga 300
 cgtgacagta ataacttgaa cgcatgattg attactctgc agctcactaa tgcataacca 360
 cctgcagttg tatacatagc aaaaggcgga atgcaacttg atcgaagaca tgatggacac 420
 catgaaacaa catgtctaag aactnnctcg actcaacggg gctacggtcg ggcattccacc 480
 aaacgcaagt gcagaactga aacagactaa aagccgtaga cgacctagg 529

<210> 13269
 <211> 601
 <212> DNA
 <213> *Aspergillus nidulans*
 <223> unsure at all n locations
 <400> 13269

tctgtggaga aggtgaggaa cattagccaa gatcataaat acgaggaaac atatgtatac 60

taacctgctn cttgccacta gttattggtc aagaaccag cagatttcat tggcagcgtg 120
 atagggggtt ctgagcagaa tacaaagggt attctagctt ctaccctcgg gaaggtcctt 180
 gtaatcgacg aggcctatgg tctttacgga ggcggtactc gtgatcctgc cagttcgaat 240
 tcaaaccagt tcaagacggc tgtgatagac acaatcggtg cagaagtcca aggtgtccct 300
 ggagatgatc gttgtgttct tctactcgga tacgaagagc aaatgaggga gatgttccaa 360
 aacgtcaatc ccggattgtc aaggagggtt tctccagata atgcctttgt tttcaggat 420
 ttttcggata ctgaactaga acagatcttc gagtgaagg taaaggagca gggctctgtc 480
 acgtcggaaa agggaacgaa ggtggccatg gagatttgnt cgcgtgctcg caaccgtcca 540
 aactttggaa acgcatgaga aatcgatata atgttgaatg gcgccaaagg tccgcagcag 600
 c 601

<210> 13270
 <211> 853
 <212> DNA
 <213> *Aspergillus nidulans*
 <223> unsure at all n locations
 <400> 13270

taggctcgag aagcttgctg acgaattcag atgctgcatg aatgnaaaag ctaccatcat 60
 tgcgacattg gaggaatat aaaccaccaa tcggcggttt attttttact ccggtacact 120
 cattaatttc gctctcattc tgcgagtaag aacgacagcg ccaattgtac aaagaagtgt 180
 aattccttct gcaacgaaga tattgattgt ttctgcttgg taaagggccg agaaaaagtc 240
 tacaaatgcg cggaatagta tagcgtatac taggaagata tatttgttct gttttactgc 300
 gtataaaaca tgcattgtaa aggcaatttg aagcacgagc gccataattc tttctaagct 360
 accaaggcag tatcagtagg caggttgatg cttcaacatg ttctgtaaaa tgctcagttc 420
 gcctttctgt tccattcatg cgggcgcagc ttccatatgt tatgcgacct gcacaagata 480
 aatgcctga ctgcaacaca ccccgccctt ataactgtat tcaattccgc ctgactcaca 540
 ttttcttgg acggccctcc tcctcttcta gtctcctttt cgcgagcagt ctctggttcc 600
 tcctccttcc cttataataa ctccgtgcta atccccctac attcttaaata atgggttta 660
 tcacatgggtg actattgtct ccccccata tgtgtgttct ctattcacgt tttttctcc 720

ctaataactca tcttcttctc tattcccaat cactactctt tccccatcct tctcattctg 780
tctaacatct cctctccct ccctttccac ttacacctat cctccccact ttcccttctt 840
cctttctcct ctt 853

<210> 13271
<211> 1079
<212> DNA
<213> *Aspergillus nidulans*

<400> 13271

agatttcagt gaaggatgct gatgtgaggc cgtttgatgc gcagtgggga tattttgttg 60
atgttgtag tggaaaggt gaggatggcg agcgaggagt tggctgtggc gttgaagatg 120
gggtgagggc gctcagagtt gttcaagctg ttaggacgag tatggaggga ggcaagcctg 180
tggatgttca aagtgtataa atggtaggca atcagggagg gaatgactag ggctgtaagt 240
agtgaccgta tgtagttgtt ctagtgggtg accatattag acagacaact atcacgtaaa 300
tattcacaag aaacatcgtc ttctcggttca tattatatcc tcataacata tatacatcac 360
ttgaaaccaa gcttacttaa gcctcctcga cactactcct cgtcacacct cccttccac 420
tcgcacccat atccgcccgg aacgcctcct cattctccct cagctccctg attagctgcg 480
aatgggcgtg ccaaaccggt ttcttgtcaa atagagtctc catgctctcc agcggcacgc 540
ccttcgtctc gggaatgagg aagaaaacaa acacgatcga gaggatcatc aacgatgcaa 600
agaagaagta gactccgtat cccatggacg tgaacatctg gggcgtaaag cgagagatca 660
gaaagttcca gagccagttt gaggcggcag cacaggcttg tgcaaggag cgacgggtgg 720
gatcgaacat ttctgcgga cactgttaat atgtgctttc tttggaaggc cacgaaggag 780
gacttaccga gttgatgacc caaggcgtgc cgttccaaga tgggtgtatag aaggccgtcc 840
acaggtagaa gaagaatata gccgcaatgc caccgctatc aagctgcgtt ccctcggggt 900
tggttctctg ctctcgcgac ttgatgtatc cgcccacaat ccaaaggcag actgaaccgc 960
ccgccgcacc aacaagcagc aagttccgtc gtccaaaatg atcgatcaaa tacaacagcc 1020
aaacaaagggt aatgaccgcc ttgacgacgc cgaaaaggcc cgttgcaaga gtaggtatt 1079

<210> 13272
<211> 770
<212> DNA

<213> Aspergillus nidulans

<400> 13272

aggaaagaac ttggtcatat gctcgcggga agaggttgag gaagaattca tatttgctca 60
ctcttttttc tctcaatgga gaaccaacc acaatgcact ctttactaat ctagtccgga 120
tgcataatta ttttggcacc acttgtttga gatacgactt ctctacatgt ctttgatttt 180
ttggaaaaaa tccaagttaa tggatgaca ttgactacga catcgtcggt gactacatgc 240
tacaattata agacaaggca ctttcatggc ttcaagaaga ggattttgat ttcgtcaaac 300
aatcgtaaga gtacggaact caagactgtt ccgctaagag gcatgcttga cctgccaaat 360
gcatgctatt aagtctgctc gcaaagcaca cccaaggctg caccgacgga gtacacatcg 420
gcgatgccac actctgccca aaacgtagca tcatgctcca gtttaaagggt aaccacatga 480
cgctcctttg aaacaaaaag ggctgacccg gcattaacag ttttaattggt tatttgggag 540
cctccttgac ttccatgcac atctgctcgc ccatggaggt gaggatgacg acgtctacaa 600
gcaagtcagt tagtatcaac tgggttttag aaacagccaa gcgctactta ctgcaatcct 660
tctcctcctc cttgaacatc ttgttgatac gtcaccaac ctcaccctca ggaaccttga 720
catcgtcett ggtgtcaccg ctgtcgtcca taagggaag gaagtcgtct 770

<210> 13273

<211> 399

<212> DNA

<213> Aspergillus nidulans

<400> 13273

acctaata gtaacatgact cggcacactg atccaattaa gtaggcaaca atctcatcta 60
cagggtcgtt tcgcaagggtg cttagaaagc caatgtgtgg ctgctcatt cctcaccttg 120
gacgaggcac agcacccata tttcgggacg tacctactcc agactccctc atgcgcaggg 180
tcgtgccttc tcaaaacgat aagtatgggtg cgatattgac caccgactg aagttaatgg 240
agagaaagaa caatgcaa atgtagattc cgttgctccg tacacaagca gacacctagg 300
ccaaaggtag gtaggcaggt ggtgaatagg gagggactct cgcgtcaat acgctcacgt 360
taggctcagg tacacctctg tccgcacca ctcaattca 399

<210> 13274

<211> 800
 <212> DNA
 <213> Aspergillus nidulans

<400> 13274

```

gggcccaggg ggcggataaa aaacaaagaa ggctattcaa tgattcagca cggcagggtc 60
ttttttttta cataatagtt tttgggtccaa cttaatgttt ttcaggggac tgcagacggc 120
cggcaaacat tccttttccg ggcaggggta atcagcaagc ctttttgtgg ggcagctaag 180
tataggcacc gtatatatat acgaaagtcc aaagcataac catagtaaca ttctcgaaat 240
ctacctccgc ggccaccaga agtatgctgt ctagccgggt tctacctaaa aagagtcaag 300
agttcaatat cagcaagggc ccttgcaccg gtctacctat aacatatatc ggggcaacac 360
tagatccgaa ctatgaccag aacgagaaaa aggtcagaat gtcaaataac agaaatgcta 420
agtcaaccat cgtctgcccc tatgcgggtc aatcttgtac tgcagaagtc taaaccgcat 480
gcagcacacc cataaggcaa accgctgcat aatgattttg cagctggact cgcgtttgat 540
ggcgaggatg gcaagagaag tcgaggttct tgattgaaag acggatgttg agattgtgga 600
gtggcgttga gcaggccgtt gcacctactg aagaactgct ggggtgagtg attgcgctgg 660
cctttcagta gccctagttt agcacgacat ggccagggta tggctggttt cggctgccag 720
ttggaatggt gtttgaagtg acaatgggtg gttaggggtg ggtaacaaaa acaccaaggt 780
agctaggctt cagtgaatac 800
  
```

<210> 13275
 <211> 656
 <212> DNA
 <213> Aspergillus nidulans

<400> 13275

```

ccaacataca tagacaattc gcggtcgcat aatacgactc actataggga tcgactggac 60
gaacgcagtt actatacatc catacctgca atgctgaagc tttcacagct tcttgaggcc 120
aaacggcgcg agagcaacga caatatgggc gatccctcgc ctctttctcg ccagcctccc 180
cagtctcctt taaccgcgtc cacaccagtc tcacccgcgg tttctttggt ttccgccaag 240
ggccacacac gtttctccag ctccgcgtca tctctcgtct cgtctcccgg tcatggcaac 300
tcaatggata tcagttgtcg gaatcccttg acgggtgtga aagaagaaga gcctacggg 360
  
```

tcgcaagcga gggatctcga agaagaatat ttccgtatgc agccctcgcc cccggcctcg 420
 ttttgttttg atttattgtc atggtgtttt gaacttggaa agaaaaagaa tttttcaact 480
 aacgctaaac tcgcagagca tttcgatcaa gggctatccg gcgctgaaga ttcgtaccta 540
 tccacagtca gtacttgcca cggttatagt ttcactgata ccggtatgga tatggtgcac 600
 tctcccaaga agagacgctc cgacaatgct tccccaaacg gtctttccag cattcc 656

<210> 13276
 <211> 736
 <212> DNA
 <213> *Aspergillus nidulans*
 <223> unsure at all n locations
 <400> 13276

tgggctgatt gacagttgca ggcctcgcca gcctgaccat ttttttttcc gcagagatga 60
 aggggatccg tggcctcctg ttttatcaag cgcctgagcg tcttggattg agtgggtggc 120
 caggctgata cagcggctct gttgcagagg gggaggagaa aagtggcccg tggagagggg 180
 aaagacaggg aaacgtggcc gatcattctg cagagtgaca gtttgtatcc aaccagtgcg 240
 tgccaagaat tgccatcct gctgactgac tccgactcgg gaggattcac gtccggaccg 300
 tgttgaccag tctcgacgag accatagaac agtacaacaa aaagattgaa gactgaaagg 360
 ttcacaaact aaagactgaa agactgactg aagactgcct tcaagataaa ccaaagacag 420
 taagacgagc ctataagact gaagaagata gaacgcagtg gctgataaag ttgcggtctt 480
 gcgaatgaca gagttacagt cagaccatgc caggttgtac ccggagcagc cgtatctgga 540
 gtcccgccgg ctggtgcagt agatttctct attttcctta gccgctttct tttgttatcc 600
 gcgtggtttt ctttttcccc tcaaccaggc ttgggggtgga ttcggctccg tggcggtcag 660
 cggccacgcg ctnttgcagc cttaggtacc aactgctgac agcgcactgc agaccccccc 720
 aaaaaggaaa aaaatc 736

<210> 13277
 <211> 864
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 13277

ctcgcctagg ctcgagaagc ttgtcgacga attcagatag cgatagtttt tccgtaacct 60

tatacccata ctttaggtgc gaatgggatt actttcgggt caacagcgat cattttcatg 120
 ttcggattcg caggtagatc atgtccatt gcaggtaata cacgggacac atatgtgcca 180
 ccgttttcgc tcgggtgagc tgtatatgct gaagctacaa ctgttaactt cacgccacca 240
 gatggctcgc tagtttcagc agctttcaca gcaggcttcg cagctggctt tgggtgtgct 300
 acaggcgttt gagccttagc tgggtgcttca gctttagcag gagccgttgg ttcttgtttc 360
 tcaattacag gtgctgcacc tgtaagaaa ggaacatgaa cataagctgt tttcccgtta 420
 tattcaaatt gtgaccactc attttgtagc ttgttccgtg tttcgattac atagtctttc 480
 ttgaacgttt caagagccta tgaagttgtg ttcgatttag cacgtacgtt tgatacgggt 540
 agttgtttcg gtgtagatgc tttttgagaa cttttgactt aacataagcg tttttaccgg 600
 ctaaaggact tttggccatc cgttttctga tttgggacat tattttctta ccgctaggta 660
 atgaccaca cctttgatcc cccgagggga tccccagcct tttggacatt ggggtaaac 720
 agtactgcat agcgtggtgt taaatcctag accaaactgg tgtgtgataa ccattatttt 780
 cagatccctt tgcgctggtg tgcctttctc aacagatttg ggtgtaaacc ccctctcccc 840
 ttaagggttt tcgataaaaa aaaa 864

<210> 13278
 <211> 740
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 13278

ggctcgagaa gcttgtcgac gaattcagat cgatgacaga attccttaaa caaattgtac 60
 ttgggcatta tgcgagcgtt gaaaagaaat taaatacgtt atatggatta actgaaggta 120
 taggcaagga catttcagat ccatttggag gctcgctttc tatttataaa gaaacgttag 180
 atgagatgga aaaacttgta caaactttac tgaaaaaaca ttcagtaggt tgatgtttcg 240
 cgtataatac gatattggag atcacttctt cctatatgag gtagcgagtg tgaaatgaag 300
 ataattgata gaaacttttg aggggtaaaa atgaaaggag tgatagcatc tgatcacggc 360
 ggcatgaata tccgtaaaga acttgtaagt ttattagaag agttaaatat tgaatatgtt 420
 gatttaggtt gcgaatgtga agctggatct gttgattacc ctgacttttg gtttcccagc 480
 agctgaaatg gcctcagaat ggtgaagaag atcgggggatt ttaagtttga gggacaagca 540

tttgtatgtc aatcgacaaa aacaaagtaa ttgttttcct tgggcgttgg ttcaaggtac 600
 ttttaactcca aaggaaagga gaccttaatg ccctaacagc ttacatgggg aaccgtgaat 660
 tgggaggtct acccgataa ccgaaatttg gtaaaactgt taaaaggga ttagaaaccc 720
 ttttataatt aacttccatc 740

<210> 13279
 <211> 397
 <212> DNA
 <213> Aspergillus nidulans
 <223> unsure at all n locations
 <400> 13279

gcgnggttat cctcaagacc cacaggatcg atcggaaca taacatgagc aatatattcc 60
 atggctgngg cctttccagc ggctaggact gctgggggat aacgacagag ncccacgac 120
 aatgcacgag acccgagttc cctgcgtatc gagcaccgcc acggttgctg attaggccaa 180
 tcgagccctg accatgctct ggagcacatc ccagccatct cggaccagta caagcttcac 240
 accggggctg ccgctagccc tctctgagc tccgcccgcg atgacgatcc acccctcggc 300
 tacctctacc ccataaacc tagcaaccgt caccacgccc cacctcagca acatacccat 360
 gtccacgcgc tctccttcta ccaacctcac ttacccc 397

<210> 13280
 <211> 1478
 <212> DNA
 <213> Aspergillus nidulans
 <223> unsure at all n locations
 <400> 13280

atggtttact atgctcagct attgatgcct caatcgcat gtcatatagc tttctacctg 60
 taaaacaat aagacggcaa tggggtgggc atatcggcc tcattgtatg gattctcttt 120
 tgaaggctga gtggtaaact gcgcccgtt ggcatttggc tttgggcaaa tgatcttgcc 180
 ggtaggaaga agcgcagaaa ctgctccgag tacttggtca gcctcaatgc gccttatgct 240
 tagatcttct gcatctaaac tgctttcggt gctatgtgcc gccgcatggt acgtccatat 300
 acagggaag aggcagtggg caggagtctc cagcatatag tagggttcca agtcaggat 360
 caacagctgg caaatctttt tttatTTTTT ttccctcggt ttcttatttt tctogttttt 420

aactgcgag gagagaaccg ccctagtcga ctctgccag tatggaccct gaaacgggca 480
 tctacgagta cagggccagc catgtgctcc ctattgtctt tgctgtgtg ctgagtctgt 540
 ctctggccat gcacatctac cagaacttgt cagtatccct accctgctgt acccagagat 600
 gctaaacttt tacagccgct atcgtttctg gagaatcacc ttctggatgt tctggggctc 660
 tcttctttac acagtcgggt ggattctccg cgccatctca agctatagcc cagagcatgt 720
 agatctctac attgcagcaa cagtcttcgt ctacgtgca cccccggtct tctccgctc 780
 ggcatacaac atcctcggtc gcatcatgca ctatatcccc atgttcgctt ggatcaaccc 840
 taaccgcacc gntcttcttct ttgtctatat cggcaccctc gtcgaggggc tcacagccgt 900
 ggcggggcgcc cgtatcgcta cgggcgccac ggaactcgac aagtaccgca gcggcgcgga 960
 actgatcgcc gtgtacgtcg ntctccgagc gtcgtcgaga ttgggctcgt cttgatgggtg 1020
 ggcattgcttt accggaaatg cccgcgtgcc gtatgcttcc ccggaatctg cggtttcttt 1080
 tttccactct tacgggccct ggagcttggt ccagtcgggg atttaccggg ccgtgaaatt 1140
 tttcccttg accaccggcg tggaatgagg ttacctgagg cctcaacgga agatgggtctt 1200
 tccccctgta gccccacgg ccctttactt tgacaacctt taatccggcg attgtccac 1260
 agaaagtgtt gtttacgggc cccaccgggt ccgggtcgct caccaaacga cttttgcct 1320
 gttgggtgga aaaaaccca catttggggc tgaacgcttg tcttcaaccc gcataatttag 1380
 gggggcggc tccctcacac tattattttt tatttttata tcaccctttt tttttttttt 1440
 tgtggtgggg tcgttccta ttttaccttt tattaac 1478

<210> 13281
 <211> 894
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 13281

gcaatgctgc tctagatcgt ctctttcttc gtgcagggt ctggagctgg actgatggcc 60
 atgggcgggt cgatgacgaa cgtggcaaaa ggtattgtta tcgcggggct gatggtocag 120
 attgtgatat ttgggttctt catggtcacg tccgccgtgt ttgaccagcg catgaggcgg 180
 taccacaacca gtcttagcat gagcaggaac ggtggtgacg ggataggctg gaaagagcat 240
 ctctatccgc tgtacgcggt cagtatcttc attatgatcc ggtcgatttt cagagtcac 300

gagtatgcaa tggggcagaa ggggtacctt ctagcgcgat aatggccgat atatgttttc 360
 gacgcggtct tgatgcttgg ggtgatggtg atctggggga aggtggcatt ccgggagcat 420
 caggaccgag gggatgggag cgcagttatt tagcatgaac agcgggcaga gtaaagacta 480
 agtctacagt tggtaagag acggcacaac ttataaataa agtcattctt cttttgtagc 540
 aaactggctt tcttggcagt ccttgatctt tggactgta ttctctcatc ccgggtagta 600
 ggaaccacta gaagtagaga ccacgagctg gctggagcgg ttgattcagg gacacaacgc 660
 agggcttctg agatcccgag gagacaagat ggattcctta tgggaacagc gggattgggg 720
 ccaagaacaa ctctatgggc tggacggacc tttcagagag ttactccgct aaactaatgg 780
 tacctgtcct aacggtatat aaacattata aaaactagtt tctgccggtt tacgcatatg 840
 atgtgttttc ttgttctgca ttttactggt acaactcgag caaaggggtc agag 894

<210> 13282
 <211> 1246
 <212> DNA
 <213> *Aspergillus nidulans*
 <223> unsure at all n locations
 <400> 13282

aaaaaaaaaa aaaaagaaaa aaaaaaaaaac aaagcaaaaa aaaaaaggaa aaaaaaaaaa 60
 aaatcctccc nnannaagag acgtgaagtc nnnttatagg gaaaacgaga aaaaagaagg 120
 aagaaaaaaaa aaaaaagggtt ttttaaaaaa aaagaaaaga aaagggggga aaaaagaaga 180
 aagagagggg aaaaaaaaga aaaaaaaaga aaacaaaaga aa 240
 aaaaaaaaaag aaaaagaaaa aaaaaaaaaa aagaaaagaa aaaaaaaaaa aaaaagaaa 300
 aaaaaaaaaa aaaagaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaagag cgaagaagag 360
 aaaaaagaaa aaaaaaaaag agagaaaaaa aaaaaagaa aagaaaaaga aaaaaaaaaa 420
 aagataagaa aaagagagaa aagagagaaa aaaaagagaa aagagaaaaa aaggaaaaga 480
 aaaagaaaag aagaaaaagg aagataaaaa agagaaagaa aagaaaaaaa agaaaagacg 540
 aaagagaaag aaaaagaaaa gaaaaagaga agaagaagaa aaaaaacaag agaagaagag 600
 ggagaaaaaa aagaaggaaa agaagcgaaa aaagaaagaa aaagaagaaa gatgaaaaga 660
 gaaagagaaa acagaaaaga aagagaggaa aaaagaaagt aagaaggaaa gggaaaaaaa 720

aagaaagaaa agaggagaaa aaggagaaga agaagaagaa aaagaagaga gacgagagaa 780
agaaagaaga aaaagaaaag agaagaaaac atgaaagaaa atataagaag aaacaaaaaa 840
gaggaagaag agaaaagaga aaaaaagaga aaagaagaag agaagaaaaa acgaaagaga 900
aatagaaaa gaagaagaag gagaagagaa gaaaagaaga gaaagaaaga agaggaagaa 960
aaagagaata agaagagaa aagaaaaaga aaataaaaaa aaaaaagaaa aaaatagatg 1020
agcaaaaaaa gtaagaagaa aaaaaaacg aagagaaaga gaaaagaaga taaaggagaa 1080
gaaaagaaga agaaaaagaa aagaaagaga aaaaacaaac aaggagaagg agaaagatga 1140
agaaagaaag agaaagaagg aaaggagaag aagaaaagaa aaaagagagg gaaaaaacag 1200
aaaacagaga aaagaagaga attagaaaac agaacaaga agggaa 1246

<210> 13283
<211> 557
<212> DNA
<213> *Aspergillus nidulans*

<400> 13283
tcgtccctgc agagctatcc actttaaaag gcaattaaaa acggcttgat ggttgcaccg 60
aggaccaaga cgacagaggg ggctttttaa gaaaaaaacc caatcaacta tacacctatc 120
atacaatcct cccacctcca ccaatatata acactacaca cccatatatt aaccaccaa 180
acccccacaa caaaatacaa taacctaatc aacttcctat cacatactac cctcaacac 240
aaccaactac caaaaaaca caactacaat taaaacatac ctccccacac ccaattaaaa 300
tccacacata aattaccact ccccttaca tctactacaat aaaactttac acacaccaac 360
caatcacaca aaactaccct acacaaaaaa accatacacc ataaacacca acaccacaaa 420
ctactaccaa tactactaac cactccccac tctacacaca ctatcacccc ttaaagccct 480
aaacataaaa cctccctcca ctactaccac aaccaaccac ttcctcacac aatactttat 540
acaccactta ccacaca 557

<210> 13284
<211> 490
<212> DNA
<213> *Aspergillus nidulans*
<400> 13284

ggcatccgtc ttgcggcttc ctgctggga gcaggaatcg tgggcatacc atggcgacga 60
 cggcatatta ttcttcggcg aaaaccaagg gcaaggtcgg caatacggcc caacattcgg 120
 agcaatgata ctgtgggatg cggggtgaac tttccaccg gatgtgcttt cttcacaaaa 180
 aatgggggtct ttctaggtat gtcttagccc catcgggaac agcaacaacg ttattcatgg 240
 tatccaggca atgcctttaa ggaactgcga aatctgaaag tctatccgtc cgtgggagtg 300
 aagaagaacc ccccggtaca tatatccgcc aatttcggcc aacagccatt catgtttgat 360
 attgatggga tggtaagggt ggggttcaga ttaatgctat cttttgtacc ctttacgtgc 420
 taacctccct gatagctacc taaggattct atcccctgct gctatttgca cgaccagctt 480
 acccaccata 490

<210> 13285
 <211> 821
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 13285

ctacagagct tgtgtattgg cgccgggagg ggctacgtgg ttgacttttag acagaatctg 60
 tggatgaatt ttttttatgg gtgggggtgg gcccttgatg gggggcccta ccatacaaac 120
 atgcctgcc aatatccat gtacccca gagctgacag ctgaagacgt ccgcgcccaa 180
 aacctagact ccagactagt caggaccatg gactcaccat attgatgagg tggacaggac 240
 ggccgtttat gttataaccg aaacgtactt gtcgtgacca ccactatata ttcattgaaa 300
 cgcacgaaga atgttaaag gcaggccccg gcttccatga aagtgccaac agccaatacg 360
 ggatggatc taatggcctt ttgtgaggga aaccacaga tgaggcgggtg attctgccca 420
 acgtgaggat tgggtctgct cggattgacg aagactagga tgggcgggctc ctgagatgct 480
 gtcagagaa gtgtggaccg aagcaacggt tctagttagg acagaggcgg tatccagcac 540
 gaagattgtt acggggtagg agacggcggg cgaaagacgc tttgttcaag aagaggaggg 600
 tactgagata acagacgagt ttaacctttc gttgctaagc ggggttagac tcagcggcct 660
 cgccgacact ttgagcagga tgtaatatcc ggggggtcat atttgtgaat taccgtcgct 720
 ttttgtgcgc ccttagtttt gagagacacc acgcgaagga acctaaaatg gagcttttta 780
 aaaggtgggtg gcaccgggct ctttagctct tttttccccg t 821

<210> 13286
 <211> 594
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 13286

```
catgatgata ccgcgagctt acattcaccg acttgcttca taatgagata tacagaccag   60
gcgacggtag tgcgcagcaa caagtgatct aaatcgcta ttgacttgtc tactcgcttc   120
tccactttctc ttgggcaggt gctgcggcct cactgtaggt actgtttcga tcgattcctg   180
gatggccttg ctaacagctc ttggaatagg tctacaccct aaccggaatc ttaagtcaaa   240
cacctttgcy gtacgtcgaa gccgatgaaa cgactccttt agggcacctc ttcacccctc   300
atcccgccct gaaccctctc acaaccctc gccgcttctc cgtttccaaa ccggccttgat   360
ctacgactac gtgtgcgaaa aagagttcgg gcgcagtccg accatgcccg tttcatcaca   420
ttatcgcggt atatctattg aaacagacgt ccgttccgcy catctatacg tattccatca   480
accacccgcy gtaagtcacg atgaacagtg gagtcggcga gggagagggg gaacctagcc   540
ttgatgctac aaacgcccag caggtgctcg ggttactgcc tttgccaag gaag          594
```

<210> 13287
 <211> 724
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 13287

```
ctggtcgcag cggctagtag aggctataat ctggactgaa gtatccctgg tcttgccaaa   60
acaagccatt acagatagtt cttgctcttg tctctaccaa gcagaacatt tcagattagg   120
gactcacttg gatagggccc tgacagttca atgggtgtgt tattcacact ataataagac   180
tgctagcaca aaatactatt tctatacacc tttcagtcct agagactttg ctttgagcag   240
gctagagagt gccagacca tgcgcgctcc tagcctcgga gttgatatct cgtaaatcaa   300
attcagttcc accctaattt acaactccgt attcttccag ctctttggga aggtgggata   360
gctccagatc tcccctctct caatcagacg cttatcaaga ccctactggc cggcactaac   420
ataaagcacc ttggcgtagc tttcaggcgt tcaataccgg aacgcagtgg tttttggcac   480
aaacgcgaca tcgccagtct ccagtctagc tgcaggggtac gcaccgatct tgatgaggac   540
```

cgagccttta aggcactcga atgcgcaggc acccggtggg cttccacgta tttaccattt 600
 tggaatggtg acggctcata acaaagtggg gagcgtgaag ttgtggcctg cgatggtgca 660
 ttctgaccag cgggtggacca tctggtggtc cccgggagag agttaaaact ttgggccccca 720
 gttt 724

<210> 13288
 <211> 610
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 13288
 catacgattt aggtgacact atagaatact aggatcttat agaggctggt cgaagagggt 60
 ccaaaaggct aagagaaact ttctccagt acctctcgct cactgaacag aatggtgcaa 120
 gcctaaagtt cgtcaataaa aaacgcatat ccccgagtcc gggactagct gatggaactt 180
 caagtgcctt tgcaaattggg cttgtgaacg tgcgtcttct tcttaaggaa ctgccgctct 240
 ttgctggcct tccacccgac attcttcact ttttgggtct caatgcgcag ctcgatcatt 300
 cccgcccttc accgacatca tcaaacagga ctctcagga cgcgaggctt atttcacgt 360
 ccgcggcgag gtagaagtct tgagcgagaa gaaagacca ttgaacgggc gacgaccct 420
 acccagcacc attgagtatc cgggcttcga agtgaaggcg cgcttgaaac agggtcagta 480
 tttcggcgag gttgtgagcc tatctctggc gcctcgctgg actgcaaccg tacgctctat 540
 caatgctgtc gagtgtctga tgattagcgg tgaggtttta tctgaattgt gggataaatg 600
 cccaagatg 610

<210> 13289
 <211> 722
 <212> DNA
 <213> *Aspergillus nidulans*

<223> unsure at all n locations
 <400> 13289

cccggtgctg accatgacca aaggggtgtg tcttcggaat cgtnatcncg aggcgtacga 60
 cctgcacggt tggttgggtt tcaagcaccg acgaactgaa tacggtccaa tgagacccat 120
 gtcttatctg atgtcctcca gaaaccattt tgttcaacaa gctggcgcaa aaaggaaatc 180
 gctcgctgcg ttccatattt gtcaggagcc ggcagggtga tttcatcgca gaagataacc 240

agccaacgac caatctgatt aggagacata accacgccgc ttagtgtctt cttgtactcg 300
cagtactggt cgaaggtctt gatgaggagg tcaggggttg tggcactgga gaagttgaga 360
ccgacaacct ccatattggg taatttacga agcgcggcaa acagtgtcat ggttttacca 420
gaaccgggag gaccacagag gaacagtggc ttatgttctg caagccacga gtagagaaca 480
tctttatgcc ttacaagtgt cacggtagga ataaccacat ccgtttgcgt gatgagtgag 540
tgttgacatc aatgggtgcc acctgaaact ggcagcttga ccaaattcct ttgggagggg 600
cacattcaaa tcatgattga caagtctgtc ttgattggaa gtcctattga gtaagaccgg 660
caaaaatfff ccaaagaatt gcgtctcccc aggacatctt cgtaaagacc caccgtgcaa 720
aa 722

<210> 13290
<211> 1449
<212> DNA
<213> *Aspergillus nidulans*
<223> unsure at all n locations
<400> 13290

aaagaaatga aaaaaaaga aaatgaaaaa aaagaaaatt aaagaataaa aaatcaggaa 60
aaaaaaaata aataaaaaaa aaatataaag aaataacaaa aaaacagagg ggatcagcta 120
tgagacaggc ngaaaaatan aatgaaaaaa aaaaagcnta aaaaaaaaaa aaaaaaaat 180
aaaaaaaaaa ataaaaaaaa aaaatattgt tttaataaaa taaaagaaaa aaacaaaaaa 240
aaaaagaaag gggaaaaaaa taaaaaaga aagagaagag aggataaaaa aaaaaaatga 300
aaaaaataaa aataaaaaaa aaaaaaaaaa aaaaaaaagt agaataaaga aatgaaaaaa 360
aaaaaataaa ataaaaaata aaagaaataa aaaaaaaaaa aaaaaaataa aaatgaaaaa 420
tgtaaaaata agaaaaaaaa aaaaaaaga aaaagaaaaa aaaaaaaaaa aaaagaaaat 480
aaaaataaca aaaaaaaaaa acaaaaaaag aatgagatat aaagaaaaaa taaaaaaga 540
aataagaaac aaaataaaaa agaaaaaaaa aaaggataga agaaacatat aaaataaaca 600
taaataaata aaaagaaaaa aataagataa tatatgaaag aagagaatat aaaaaaaga 660
atagaataga aaagaaaaaa aaaagtataa aaaaaaaaaa aaatagaaag agaaaaataa 720
aatagagaag aaggaaaata gaaaaaaaaa aaaaataaat taaaagaaaa aaaaataaac 780

ataataaata aaagagaaag gaaaaaaaaat gaagagataa agaaaaatat ataaaaaaaa 840
 cagaaagaag gaaagaaaaa gagagaaaat agaaaaagaa ataataagag aaaaaaaaaa 900
 taaaaaaaaa aaacgaaaaa aaaaatatac ataaaaaaaa aaatcaacag aaaaaagaag 960
 aaagaaaaat atagaagata aaaaataaaa aaaaaaagaa aaaaaaaga aaaaaatgaa 1020
 aaagcaaaaa aaattaaatt aataaaaaat tcaaaaaaac taataaaaaa caatggaaaa 1080
 aatgaaaaat aaaaacaaaa aaaaaaagta ataaaaagga aaaaatacaa aaaatgaaag 1140
 agaaattaaa aaaatgaaag aaaagaaaaa agataataa aaaaaaaaaa aaaaaataaa 1200
 agataaaaga gaaagaaaga agaaagaaaa aaaaaaaaaa aaagtataaa agatgaaaag 1260
 aagaaaaaaa aaaaataaca ataagaataa ataaaaata agaaagaaat aaaaaaaga 1320
 aagaaaaaaa ataagtgata taataagaat aaagaaagaa taaaaaagat aaaaggggag 1380
 gaaaaaaaata agaaaataga aaaaaagcaa gataaaaaaa ataagaaaaa aaacaaacta 1440
 actaaaaaa 1449

<210> 13291
 <211> 402
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 13291

gcggttggtg taggaccaac gcaccaagtc ggctcatcg ataacgaggt gcgtaagggt 60
 cttcatggat agagccgagg taccaggtt ggcatgaca cgagcaggcg ttgatacgac 120
 aatgtcagga tagtccgcaa gcatcgcttt ctgaaccgca tccgagacct tctgtgtaag 180
 attgaccgat cgaacatcct tgccgcagaa cgcagcgaat gtagtgataa ctttctggac 240
 ttgttccgcg agctctcgtg tagggactag aatcagacca gtggtcgctt tcatggaagg 300
 gtcgatctag aaaacattag cacagatcca tgctactaaa gaaatggagg ggagcaacaa 360
 accgcctttt tctgaaggat cgtttgtaag ataggaagga ca 402

<210> 13292
 <211> 546
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 13292

ggggtcagcc ttgtgcgcta ctgcagctac agcctctcac atcgggctgt gtcattgtttg 60
 ccagccactg tgttgctggc tcatgatgtc tgaacggcac atacgaccac tgtgcgtgaa 120
 cgctcgggta tcccaccacg aacgctcgga actaaccatt cctaaccgaa ggctaaatg 180
 gaacgagcaa actgacttat catatgccgt gtgagccaac gcctctataa atatatcaca 240
 gatcaccaca tgttgaacac atggaaactg ggggggtaac atggcttagc tcatgctatg 300
 gacgggaatt tggatgatga gatagcaca actcacccat acacatattg taacaccgta 360
 agccttatca ccaacagcac ttgggatgag tgactgatag cggtagacata catgacacct 420
 atcagtggga taacctatga gctcagctgt ctgagggaac tcaactgccag caggaaaggc 480
 taggccttgt gatgcgcatt tggctcatca gccgcacgag acatgataga caagcagcta 540
 tagact 546

<210> 13293
 <211> 527
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 13293

gaccgtgtcc tcatccgtga cggcaccaac gtcgagaccg gctctggctg ctccatcact 60
 ggtagctgga cttctccgta cgatggggag acgtggacgg ccactagcga tgtcgatatt 120
 gaccacgttg tgccactgtc gaacgcatgg aatgtatgta cccatcaagc gaacaccaac 180
 ggcaatagcg ccctagaatg ctaggaatgc tagatgctag ggagccagga atgcaggcat 240
 ttttcgctaa cagtacgcat cgcagtctgg agcaagtga tggacgaccg acgagcgcg 300
 ggcctttgcc aacgacttga gcattccgca gctgctcgcc gtgacagaca gtgtcaatca 360
 gcagaagagc gattctgggc ccgaggagtg gctgcctcca ctgggtactt gatccttgca 420
 atccctgtct atcagttttt gacaagtaac tgacatgttc atgcagagtc ctacactgta 480
 catacggcaa gatgtggacg acgtcaacgt accatatgga ctgagcg 527

<210> 13294
 <211> 1131
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 13294

acaacatgat tttgttttaa aaaaaagaga agaaaaaaaa agaagaaaag atggaggggg 60

gaaaaaaaaa aaaggaaaag aaggggggaa aaaaaaaaaa aaagaaaaaa aaaaggagaa 120

aaaaaaaaagaa aaaaaagaaa gaagaaaata aaataaaagg agatgaagag aaaaaaaga 180

ggaaagaaaa agagaaaaaa agcaaaaaat gaagaaggaa ggaaaaaaaa aaaagaaaat 240

aaaagaaaaa ggaaggaaaag aaaaagagaa aaaaaagaa aaaaatgaaa gaagaaaaaa 300

atagaagaag atgtaaatac aaaagataag aaacaaaaaa aaaagaaaaa taaaaagaaa 360

ggaaggaaag aaagagaata aaagaagaac aaaaaaaaag aaaaaaata aaaaaaaaaa 420

agaatgaaga aaaagagaaa gaaaatagaa gaaggaaaaa agaaagagaa gaaaaggaaa 480

aaaaaagtga aacaagagga aagaaaaaaa aggaaaagaa aagaaaggaa ataaaaaag 540

aaaaagaaaa agaaaaaaga aaataaaaag gataaaagag aatgagaaga aaaaaaaaaag 600

aaaggataga gaggagaaaa gaaaagaaaag caagaaaaaa gaaaagagag aaaagaaaag 660

aaaaagggag gaaaaaaaga aaataagaga aaaaaggaaa aagagaaaaa aatagaagaa 720

aaaaaaagag aaagaaaaag aaaaaagaag agaaaaagaa aaaaaaaaaa gaaaataaga 780

agaatgagaa aagaaagaaa gaaagaagaa gaaaaaaaga agataaaaag aaaaaagaaa 840

atagtagagg agagaagaga aacaaaatga gagagaaata aagaaaagag agaaaaaaaa 900

gaaagaacag aagaagagga aaaaaaagag aagaaaagag aaaaaagata aataggaaaa 960

aaggaaaaaa aaagaaagaa ggaaaaagag aaaaaaaaaa ataaagaaaa aagaggaaaa 1020

aggaaaaaga gataaaaaaa gaaaaggaag aagaaaagaa tataaaaaaa tagaagaaag 1080

aaagaaaaga aaaagaaaaa aagaagaag aaataaagaa agaaagaaaa a 1131

<210> 13295
 <211> 1167
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 13295

aaaaaaaaag aaaagaaaaa aaaaaagaaa aaaaaataaa aaaaaaaaaa aaaaaaaaaa 60

aaaaaataaa aaaaaaaaaa aaaaagaggg aagctatagc aggcaaaatt aataaaaaaa 120

cacccaaaat aaacaaaaaa atgaaaaaaa aaaataaaaa gattttttta aagaagtaaa 180

agaaaaaaa atggagagaa aaaaagagaa agaaagaggg ataaaaaaa aaaaaaaaaa 240

aaaagaaaaa aaaaagaaaa aagaaaaaaa aaaagaaaaa gaaaaaaa aagaaaaaga 300
 aatgaaaaaa agaacaaaaa gagaaaaaat aaaagaaaat aaaagataaa aaaaaagaat 360
 agaaaaaaa aaaaaaaaaa aaataaaaaa gaaaaaaa aaaaaaaaaa aaaaaataaa 420
 taaaaataa aagaaaaaga aaaggaatag ataaaagaat agagaaaaaa agaaaagaaa 480
 gaaaagaaaa aaaaaaaaaa aaaagaagag aaaaaaaaaa aaaaagaaaa aaaaaaaaaa 540
 aaataaaaaa aaaagaaaga aaaaaaaaaa aaagaaaaa aagagaaaaa aaaatagaga 600
 aaaagaaaaa agaaaaataa taaatagaag aatacaaatt aataaaaaa gaaaaaaa 660
 aaaaaaaaaa agaaaaaaag aaaataaaaa aaaaaaaaaa aaaaagagaa aaaaaaaaaa 720
 ataagaaaaa aaaaaaaaaa aaaaaaaaaa taaaacaaaa aaaaaaaaaa aaacaaaaag 780
 aaaaagaaaa aataaaaaa atataaaaaa aaaaagaaaa acaagaaaaa aaaaaaaaaa 840
 aaaaagaaaa aaaagaaaat taataagaga tgaaagaaaa aaaaaaggaa agataaagaa 900
 aaaaacaaaa ataatgaaga aaaaaaaaaa agaaaaagaa gaagaaagaa aataaaaaa 960
 gaaaagaaaa aaaaagaaaa aaagataaaa aaaaaaaaaa taaaacaaa aaaataaaaa 1020
 taaaaataa gaaaaaaa gaagaaagat agaaaaaaag aaaaaaaaaa aaaaaaagt 1080
 taaagaaaaa attaaaaaa aaaaaaaaaa aaaaaaaaaa agagaaaaa aaaaagaga 1140
 aaaaaaaaaa aatagaaaaa aaaaaaa 1167

<210> 13296
 <211> 683
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 13296

gctgaagggtt atgcgaccaa tgttgggcag cgtggctttc tcctttcagg tggccagaaa 60
 cagcgcattg caattttccg tgccgttggt agtgaccaa aaatcctgct cctggatgaa 120
 gctacttcgg gcttggacac aaaatccgaa ggcgtgggtc aagcagcttt ggagagggca 180
 gctgaaggcc gaactactat tgtgatcgct catcgctttt ccacgatcaa aacggcgcac 240
 aacattgtgg ttctgggtcaa tggcaaaatt gctgaacaag gaactcacga tgaattgggt 300
 gaccgcggag gcgcttatcg caaacttgtg gaggtcaac gtatcaatga acagaaggaa 360
 gctgacgcct tggaggacgc cgacgctgag gatctcacga atgcagatat tgccaaaatc 420

aaaactgcgt caagcgcac atccgatctc gacggaaaac ccacaaccat tgaccgcacg 480
 ggcaccacaca agtcttgtag cagcgcgatt ctttttagaa gacccctcaa acaacttcga 540
 aatactcatt atggaccctg ctcaaatttg tggttccttc aaccgcctga aatctctaca 600
 tgctcatcgt cttggctttt caggtttagt ggggaggcca cccgcagct gtgctttgct 660
 aagcctcagc caatttgctt cag 683

<210> 13297
 <211> 1174
 <212> DNA
 <213> *Aspergillus nidulans*
 <223> unsure at all n locations
 <400> 13297

ttataaaaac tacataaaga taaaatgaaa aaaaattaat ataaaaaaaa aaaagaagag 60
 ggaactgtga gtagncanaa attaatggaa aaaacaccag aaaagaaaaa aaaaaatgaa 120
 aaaaaaaaaat taaaaaaatt ttttttaata aaagaaaaaa aaaaaaaaaag ggggggggata 180
 aaaaaaaaaag aaaaagaggg gtataaaaaa aaataaaaata aaataaaaaa aaaaatcata 240
 aaaaataaaa aaaaataata aaaaaaaaaa aaaaaataa aaacaacaaa aaaaaaaaaa 300
 agtaaaaaaa caaaaataga taaatatgaa ataaaaaaaa aaaaaaaaat aaataaagat 360
 aaaagaaaaa aaaaaaaaat aaagaaaaat aggacaaaaa aaaatacata aataaaaaaa 420
 aataaaaaga ataaaaaaaa aaatataaaa aaaaaattat aaagaaaaaa aaacataaaa 480
 aaaaaataaa aaaaaaaaaa agaaataaaa aataaaaaaa aaaaaagaaa aaataaatatg 540
 aaatattaag aaaaaataaa aaatatataa ataaaaataa tgaaaaaaat acgaaataaa 600
 ataataataa ataaagaag tataaataca agaatacaaa taaaaaaata taataataaa 660
 aataaaaaat atatggaaaa taagaaatat agaaagaaac aaaaattaaa gaaaaaatatg 720
 agaaaataaa aagaggaaaa aaaaagaaaa aaatataaaa aacaaaaata gaataaataa 780
 aaagtaaaaa aaacataaaa taataaaaga taataaaaga aaaggataaa agaaaaaaa 840
 aaaagaagga aaaaaagatg agaagaaaaa taaaatatag attataatga aaataaaaata 900
 agagaagaaa tagaaaaata ataataaaaa aaaaaaaata aaataataga aaaaaaaaga 960
 tagaaataaa acaataaaat aaagaaaata tataaatcaa ataataaaca ataaataaat 1020
 agaataaata taaaaaaaaa aataaaatat gaaatgaaga taataataga taaagaagaa 1080

attgataata atatgaatta taaataaact aaagataaat aacaaaaaat tataaaagat 1140
agaatcaaaa attaaagata tagaaaggaa aaag 1174

<210> 13298
<211> 594
<212> DNA
<213> *Aspergillus nidulans*

<400> 13298

gacggtgtcg agagggtaag aagcaatacc agcaccagtg gtaacacccc agccgagcaa 60
gaaagagacg aggaaagagc cctcaagagc accagtaagg acaacaggct tgagagagtc 120
gtacattccg aagtacagac cacggtagac aacgatacca agaacggagg gaccgaaacc 180
acggtagaga ccgacgatac catcggaggc gagggctctt ttgtagacat caatgagacc 240
gttgaactgg cgctcaccac cgcccttggt ggacttggcg tcgttggcaa gacgggtacg 300
ggcgtagtcg agagagtaga cgaagagaag ggaagtggca ccagccatct aagagaagtt 360
agcgggtgca tcaaaggtaa aataagctaa tacatacacc accggaggca aggttaccag 420
ccatccactt ggcgatatcca tcacggctct tcttgtaggc gaacatggac ttgtaggtgt 480
cacggaaggc gaagttcagg gcctgagtag ggaagtaacg gatgacgttg gcagtgttac 540
ctctccagag agagacaaca ccctcggcct gagtgggtgcg gcggaagcag tcca 594

<210> 13299
<211> 925
<212> DNA
<213> *Aspergillus nidulans*

<223> unsure at all n locations
<400> 13299

aaactcattg ttccttctga ggtcttgaca gcgcattcaa gtgtttatga atctctcctc 60
ttgcttttcg ttttacagcc tctcaaaacc gtcagtgaag tcagccgagt caactaaagc 120
caccggttaa ccaccatggg cagcaacaga tctactctc atttctggga ctcactcta 180
cgtaaattct tccccaaacg cgaatctctt tctggaacga caacaggctc tcgctctcag 240
tcgagctggg gtggccctgg atcctccctt actgacgaac aactgatgg attttataag 300
tactcacaag aggttctcga acaagagaag cacgatgggt ttcggttgcg gtcacggac 360

agtacagcag gctcatacgc gtctgcagta agttgagcgg agtancagtt gggctaatac 420
 cgcaatggct aacaagttag cccatgggcc cgagtgatcg tctccgctt ccctacacag 480
 tgagcgcgcc agattggaat atcttctccc cgtacgtcaa atatctggat gaactcgaga 540
 atgacagcgt ttgcgactgg cttggtagcg tctatctgt atggactggg gtatacgcag 600
 tctcaaaggt cgtcgtgatg gctttcatgc attatggggg tgaggtaggc aaccagctca 660
 atacgctccc ttcagatgct gacgaagggg tccggtttat tagttggaag acacccccga 720
 cggcatcttg gctcacacga aacgcgccga agaactggta gtctctaatt caatcataga 780
 cctgatcgat aacacagaaa gcttatacta tgctgtatat gcaagactca tcatggagat 840
 tgccgccgcc gacctatgtg cttcatttac tttagaagtt cgtcgactgg ccaccaacag 900
 cactttcatc cttcccgaa cccaga 925

<210> 13300
 <211> 680
 <212> DNA
 <213> *Aspergillus nidulans*
 <223> unsure at all n locations
 <400> 13300

aagccttgcg cctgggaaac ccggacattg tatgggctct cagcagcgct gcgcagggtt 60
 tctgtggcaa atcgccggac gctttggcga agcatcctgt caatatcaat gctgctcctg 120
 aaacagaaaa agacaagacg aagttccccg gattgtatct cgaatgaggg gaccgatttc 180
 cggcgtagt aagaggtcac gtgaaagatg gcgtgctagc tagtatgcaa ggcatttcgg 240
 ctcaggcaaa ataccagtc aacaatttgt tgcttgaggg tggaaatacg agacccttga 300
 ttgcgagcag tgtgtgatta ggatagctga ggcattgtat tcatgtatca ggaacctgat 360
 cgtcaaagcg ttgcaggctg ctgggctggg cacgtgctgc cctaaccctt atctatctac 420
 tggtttgggg nggatagatt atgctccgtc ccgtgactct tagcaacggg tataacgagt 480
 agtggcagca gccaacgaac ttctttgctg ccgacctcac gccaaacaaa agcctttact 540
 tgaaacaggc tgatcagcat atcangatat actaggatga gttgatatta tcaactcgccg 600
 cagatactga cccgacacc tactgngtca atacccttga tcaagatgcc gagtgagttt 660
 acgccggcca catccaccgc 680

<210> 13301
 <211> 1064
 <212> DNA
 <213> Aspergillus nidulans

<400> 13301

```
caccgggtga agaccgtgag ttgcttgata aggaagaggt ctttgtttag tccactggga 60
aggcgatgca gactgcgttg aagggtggtaa ggtgggttgt cgaggcactt tctccttgct 120
tccaatttcc ttctcattct cttcttctct attctctttt ttttcctttt ctttcatctt 180
tctccctccc tctttctctc tcttttatat tttcacccct ttgtttttct cttttctcat 240
attccttccc ttcttccaat cctccctttt tttcctattc ctctatttct cttttttct 300
cctctttttt tttacttctc tttcttttat tttttttctt ctctttctct tcctttttct 360
ctttcctctt tttttctttc tttccttttc tccttctctt tacttttttc cttcttcctt 420
tctctttcct tatttttctt ctcttcctt tctattttct ttttctctac ctctctctca 480
tttttttttt ttctcttctt ctctcttctt ccttttcttt tactctttta cttttttcct 540
ttttacctta ctaatcttct attcctcttt ctttctattt tcctcttttc tctttttttt 600
tctttctttc tctttacctc ctttcttctt ttctcttttc ttatctttct ccttcccttc 660
tcattcttct ctttatcttt tttctctctc ctctcattct ccttttatct tccttttctt 720
tttttacttt ttcttctttt cctctctctc accttttttc atctcacttc cttctcctta 780
tcttttctct tcactcctcc tttcttctt tttattctct ctctctctct tcttcttttc 840
ctcccttctc acttcttttt ctctcttctt ttctctctct tctctttttt actctctcat 900
ttacttcttc ttcttttctt ttcatTTTTt tctttctct ctcttttatt ttctcttctt 960
catctcctt tccttttcac cttctcttct cttctctcat ctacttcttt cttccctttt 1020
cttttctctt tcttttctct cctttttccc ctttctctc tctt 1064
```

<210> 13302
 <211> 1208
 <212> DNA
 <213> Aspergillus nidulans

<223> unsure at all n locations
 <400> 13302

```
aaaaagaaga gaagaaaaaa agaagaaga aaaatgaaaa aaaaaagaaa agaaagagaa 60
```

agaagaagga agaaaaaaaa aaaaaggggg gaggtgtgaa aaacanaaat ggatgaagaa 120
 gagaagggga gagaagaaag gaaagaaaaa agagaaagga aggaggaaat taagaatgaa 180
 ataaggagaa aaaaataggg gggagaagaa aaaaaaggg ggaaaagaaa aaagagaaga 240
 gaaaaaaaaag aagaaaaata aggaaaagga gaatgaaagg gaaaagaggg gggaaaaaga 300
 gaaaaggaaa agaaaggaga gaaggaggaa ggaaaaagga agaaaaaaaa gaaaagaaaa 360
 agaaaggaag aaagaagaaa aaaaaaaaaat gggggagggg ggaaaaaaaa aaaggagaat 420
 aagagggaaa aagaaggaga gaaaaaaaaag gagaaaaaag aaggaaaaaa gaaagagagg 480
 ggggggagaa gaaaaaaaaag taaaaggaga aaaaaagggg ataaaaaaag aaatggtaag 540
 gggaaagaaa aaaataaaag gagaaaaaaaa agaggaaaaa aaggggggga aagaaaaaaaa 600
 aaaaaaaaaag ggaaaaaaaaa gaaaggaaaa acgaaaaaga gaaagggaga aaaagaaaaat 660
 aaaaaagga aaaaagaaga gaataaaaaa aaggagggaa aaaaaaaaaa agaagagaag 720
 agggaaaaaa aagaaagaaa agaaaaatag aggaaaaaag aaaaaaggg aaaaaaaaaa 780
 aaagagaaag gaaaaaaaaaga ggaggaaaaa gaaagaaaaa aaaggagaaa ggaaaaaaaaa 840
 ataaaaggag aagagaaata aaagaaaaaa gaaaaaaaaa aaagaaaaga agggaagaaa 900
 aaaaaaaaaag ttgggaaaag gaaaaaaaaat ggggaaggag gaatgagaga aaaaagaga 960
 gaaaaaaggg agggagcgat ggaaaaagaa agaaaaaaga ataaggaaaa gggggagggg 1020
 aaaagggaag aaaaaaaaaa gaaagaaagg gaagagtga aataaaagaa aaaaaaaaaa 1080
 aaaggagaag gtaaacaga aagataataa ggaggaggaa agaacctctt ttaataaaat 1140
 ntaaaaaaaaa aaaaaaaga aaaggagagg ggtgatagag gggtggttaa gaggaagaa 1200
 agagaaaa 1208

<210> 13303
 <211> 887
 <212> DNA
 <213> *Aspergillus nidulans*
 <223> unsure at all n locations
 <400> 13303

aaaaaacgaa ataaaaaaag aacaaccaat caataaaaaa aaaacaccaa aagtggaaaa 60
 aaaggaaaac cccctaaaa acaaaaaaga aagacaaaca agcaaaaaaa caaacaagac 120
 cagcaaccca aaaaagaaac caaacaaaaa aaaaaagaac agacacacaa aaaaaacaca 180

caaaaaaaaaa aacagagaga acaaagcaaa aaacaaaagg cgaaaaaaaa agaaaaaaca 240
caaaagagaa aaaaacaaca aaaaaaaaaa aaaaagaaaa aacaaacaga aaaaaaaaaac 300
aagaaaaaaa caacacaaaa caaaaaaacC aacaaacaaa aaaaaaaaca caaaaaaac 360
aagaaaagac aaaaaaaaaa aaaaacaaca aaaaaaaacC aaaaaacgac aaagatacaa 420
caaaaaagaa gggcaaaaaa aaaaaagaaa acgcaaacaa aaaaaacaac caacaaaaaa 480
aaagaaaaaa aaaacgaaga ccaacaaaaa aaaaaaaaag aaaaagacaa aaaataacaa 540
aacaagaaaa aacacaaaag aaaaacaaac aaagaaaaaa aaaaaaaaaa aaaaaaaac 600
aaaaaaaac aaaaaaaaaa aaaaaccaca aaaaaaaaaa aaaaaagcca caaaaaaaca 660
aaaacaaaaa aaaaaaaaaa aacaaacaaa aaaaaaaaaa aaaaaataa aaacaaaaca 720
aaaaaaaaaa gaactaaacc aaaaaaaaaa caacaaaaaa aaacacacac aaaaacaccaa 780
acacaaaaaa acaaaaaaaa caaaaaaac agaaaacaaa aaaaaacaaa aaaaaaaaaa 840
caaaaaacac ccacaacaaa caggggnnna caaaacaaaa caacaca 887

<210> 13304
<211> 818
<212> DNA
<213> *Aspergillus nidulans*
<400> 13304

gttggttgag ggggagaaga ggagagaggc gtttgcgcgg tttgcgtctt cttcttggtc 60
ttcctcagaa acaacggcag aaggaatccc ttaccggat tctttcgccg aattggacca 120
ccccgcgatg aaattcgtat tgtgctacag tgggtttcgg tcgcctgggg atcgatacag 180
ggctttttat gaggtccgc cgattcagac gcctatcctg catgtgctgg gctctctgga 240
tgcggttggt gatgagggga ggagtcggtc gcttgtggaa gcttgcgctg gggatccgga 300
gagcgagggc aaggttggtt ggcacccctg gggtcacttt ctgccgagcc agcggcctta 360
tctagatgct gcggtaaaat ttattagaga gtgtttggaa ggtgggcaac aagggggcaa 420
ggataaggcg gaggaagagg atgttaatga catggacttg cccttttaga gtcggcagtt 480
tatttcgtag atcttttggg ctttcggctt atacctctag attgtttatg ttacttagat 540
agatagacag catcctacgc gtgctttatg cgcacataa gtgagcattg gtcacgcgga 600
ttagcaatcc tactatgtaa aggatgtact ttacaccgt ttacgcatct ccctccgtcg 660

tgtttgtgtt ctttcgaagt taatcaacga gccttcgcct tttcccgggt gggcaaaata 720
 cgggccatca tctcttcttt ggtaataagg tggtcgatgc gctccagtag gcccaaaagg 780
 tcctcatgtc gctgctccac tcatttagca catcgtca 818

<210> 13305
 <211> 1193
 <212> DNA
 <213> *Aspergillus nidulans*
 <223> unsure at all n locations
 <400> 13305

aaaaaaaa aaaaagaaa aaaagaaaa aaagaaaaa aanaaaaaa aaaaaaaaa 60
 aaaaaaaaa aaaaaaaca aaaaaaaaa aagaggagat agaaacaaaa aaatnaaagg 120
 aaaacgggag ggagaggaaa aaagaacaga aaagaaaaga agaaagtttt aaaaaacaag 180
 aaagaggagg aaagggggga aagaaaaaaa agaaaaaagg ggaaaaacaa caaaaaaagg 240
 aaaaaaaaa aaaaaaaaa aaaaaaaaa aaaaaaagaa aaaaaaaaa aaaaaaagag 300
 aaaaaaaaa aaaaaaaga aaaggaaagc aaagaaacaa aaaaaaaaa aaaaaaaaa 360
 aaaaaaata aaaacaaaa agaaaaaaa aaaagaaaa agaaaaaag aaaaaaaga 420
 aaaaaacaa aaaaagaaa aaaaaaaaa agaaaaaaa caaaaagaga aagaaaataa 480
 aaaaaaaaa aaaagagaaa agaaaaagaa ggaaaaaaa aaaaaaagt aaaaaaag 540
 gaaacgagaa aaaaaaaaa aagaaaatag aaccaacaa aagaagataa aagaaaaaaa 600
 aaaacaaaa aaaaagaaa aaacaagaaa gagagaagaa acaaaaaaaaa aaaaaagaaa 660
 agagaaaaag aagaaaaaaa aaaaaaaaa aaataaaaa ggagaaaaca tagaaaaaga 720
 aaaaaacaaa aaagaaaaag aaacaaaaaa aaactactaa aaggaaaaaa gaagaaaaaa 780
 agaaatagaa aaaaaagata aaaaagaaaa agaaaaagaa agaaagacac aggaaagaaa 840
 aaaaaagaaa aaaaaaagg aaaaaaaaa aaaaaaaaa agagggaata aaaaaagaa 900
 aaagacaaaa aataaaacga aaaaaaaaaat gaaaaagaaa aaagaaaaag agacaagaaa 960
 tggaagaaaa aatgaggaaa aggaaaaaaa aaaaaattaa aaaaaataaa aaaaaacaag 1020
 cgaagaagaa gaagaaaaaa aaaaaaaaa agaaaaaaa aaagaaaaca aagagaaaaa 1080
 gtaaaaaaag aacaacaaa acaaagtaaa taaaaagaaa aaacaaaaca gaagaaaata 1140

aaaaaagaaa aataaaaaaga aaatgaaaaa aaagaaagca aaagaaaaaa gaa 1193

<210> 13306
<211> 857
<212> DNA
<213> Aspergillus nidulans

<223> unsure at all n locations
<400> 13306

caaacagnga aagaaagaaa aggggggggt ttaataagaa gacgggggag accccccaaa 60
aacaaaaagn taaggaaaaa agcaaaggga gaaagaacac tccgggctaa taaaacgccg 120
aaagaagaaa aacaagcgaa gaaaaaagag ccaataacaa ggaatagaaa acccaccaac 180
ccaacaggaa agaaatagtc agaaaaagga gaacaaacaa atattaaggc aaatgttaaa 240
aaaaaaagat ccacaagtat gaggacagga acgaaacacc aaaaaagaga aacctaagat 300
ggacagagtt gaccagttaa aaaaagagga tatacaaccc caggaaacac aaagggaaag 360
aataaaaaatc aacccaacgc ttaagagcga aacaaaaaaa acaagaagaa cgagggaaag 420
aaataatcgt aaaggaaaaa cacgagagaa aaaatcaagt aaaacaaaaa agcaaagaa 480
aacgaaaaaa aactaaaaag tggtaaaaaa ggagaaaaaa ggaaaaaaa aaccaagcct 540
ttaaaaaagg aagggaacaa taaggaggag aaaaatagca atatcaaaaa aaagaaatta 600
acaaggacgg aaataaacca aaagaaaagg ggaaaaaact aaaactaaaa aaaccaacaa 660
cataagaaaa acagtaattt aagcaaacaa ccaacttga aaaaaataa aaaaataaaa 720
ataaaaaaaa aaataaagac aaaactacta agaagaacat aaaaaaaaaa ataaaaaaaa 780
atgacgaaaa aaaaaantaa aaaaataaaa gcaatataaa caataacaat aaaacactaa 840
aaaaaaaaaa aacatca 857

<210> 13307
<211> 710
<212> DNA
<213> Aspergillus nidulans

<400> 13307

aactgaagct agatgtgacc tgctgaccgt gcagaatatg accctcactt ttcaagcaca 60
acgctacgag atgcgcatca tccaggaccc ccaatagtgc ggcccactgc actacctaag 120
gaggaagcag gatgtcggag ctggattcac tatgtatatt acggttcaga atctgcatga 180

atctgacaat cctccgtcct gcagacttgc agctccggag agagctattg gatggcggac 240
gagcttggag accttgcaga gttcgactgg ggtgtgcgat caccgcgtca aggaggcagg 300
ccgggtgtga tgaggtgcat ctgcataacc ttggtgaatc cttcacactg ctgccagatt 360
tctcagcccc gcggttgttg tcttttgagg atcgtcaccg gctgcacgaa atcttgctct 420
ttccagtgcc tactgagcca ttatatagca cgagaaccgc tttttcagaa acacaagcaa 480
tcataaaciaa tcgagatccc atcaacctcc actggtggta cgtaagcacg cgagttaact 540
cgagtctcga ctgaacaaca gcctccccgc tgggacagta cgtattctca gtttagcgcc 600
gacattccca aaccacatca aaaccccaca catcctccac agccgcatcc aatcgacgca 660
accacacgag ataaagaggg ggagacatca tggatccatc aggggtattag 710

<210> 13308
<211> 1070
<212> DNA
<213> Aspergillus nidulans
<223> unsure at all n locations
<400> 13308

aaaaaaaaa aatgaaatta aaatttttaa accaaaaaac tcataccccc ggggggggaan 60
nnanaaaatt ggttggtttt aaaaaaaaaa acgggaaaaa acccccacaa caaaaaaata 120
ataaaaaaaa aaaattaaca aaaaaaaaaa aaaaaaaaaa aaaaatacaa caaaataaca 180
aaaataaaaa ataaagaaat caaaaaaaaaa aaaaacaaga aaaaacaaaa aacaaaaata 240
aacaaaaaac aaaaccacaa aatataaaaa taataaatat aaacaatca acggaaaaaa 300
aaaagaaaaa acaaacataa cataaataaa acaaaaaaca tataaaaaaa aaacaaaaaa 360
aacaaaacaa aaaaaaataa ttagataaat aaaaaagac ataaaacaaa aaaaaaaaaa 420
gaaaaacaaa aaactaaaaa agaagggcat acaaaaaaag aaaaacatca aaaaataaaa 480
aatagaaaaa aaaaaactaa agagaaaaaa aaacacacaa aaacaaacac gacaaaaaaa 540
tcctaataga caaaaatgta caatataagg aaagaaagaa aaccttttaa aaaatacata 600
ataaaaacac acaaaaaaaaaa aaaaacaaaa agccaaagag aacaatgaaa aaaaaacaa 660
aacataaaac aaataacaat agaaaataat aaaacaaaac aatttaaata caaaaaaatg 720
aaaaaataaa aaaaaaaaaa tgaatacaaa agacaaataa aaataaatac acaaaaaact 780

aacaaaaaga tatacagaga aattcaaaac aaagaatact caagaagatc agaaaataat 840
 acaaaataaa tcacaacaac aataaaaaga aacatcaatg acaatataaa gagaataaat 900
 tagaaaaaac aaaataacca ataataaaca caagaggaaa agaacaacaa acataaaaaa 960
 aaaaaaagaa ataaagcttt atataataac aataaataat aatgaaaaaa taaaacaaaa 1020
 aataaaacta aaacaccaat aaacaaaaca gaaaggagaa gagaaaaata 1070

<210> 13309
 <211> 1069
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 13309

aaaaaaagaa aggaaaaaaa gtggtgggga taaaaaagaa aaaaggggga agaaacccaa 60
 caaaaaaaca aaaagaaaaa ggaaaagaag aacaggaaag ggaaaggaaa ggaaaaaaca 120
 aaaggggaaa agaaacgaaa aaaaagagga aaggagcaaa ggaaaaagaa gagaaagaaa 180
 aagaaaaaag aagagaaaga agaaaaaac aaaaaaagaa ggagagaaaa aaaaaaaaag 240
 aaaaagaaaa aaaaaaaaaa aaaagagggc aaggaaaaag agaaagaaga gagaggggaa 300
 aacaaagaaa gaaaaaaaaa tgaaggcaag gaacaaagag aagaagaaga caaaaaatga 360
 gaaagggggg aggaaaaacc gaaagaaaaa agagaagagg gaaaaaaaaa aaaaagagg 420
 gagggaaaga aaaaaataaa aaaaaaagaa gaaataagga aaacaaaaag gaaaactaga 480
 aaaaaaaaaa aaaaaaaga aggaaaaaaa aaaaaaaaaa agtcaagaaa agaaaaaaa 540
 gaagaaaaaa ggcgagaaag aaaaaaaggg gaggaggcaa aaaaaaaaaa taatcaaaaa 600
 aaaaaggggg aaaacgagaa agaagggaaa aaagaaaaaa aaaggaaaaa cggagaaggg 660
 agaaagaaaa acgaaaaaag aaaggaaagg aaagaaaaaa aaaaagaaaa aaagaagaga 720
 aaaacaagag aagaagaaaa gaggagataa agggaaaaaa aaggaaagag aaaaaaaaag 780
 aaaaagagaa agagaagaac gaagaaaaga aaaaaaaaaa ggggagggcg aaagaaagaa 840
 agaaacagaa aaaaaaaaag gaaaaaaaaa aagaagaga ggaaaaaaa agaagaaagg 900
 ataaaaaatg taaaaaaaaa aaggagagaa gacccaaaaa aaacaaaaac gaaaaaaaaa 960
 acaacggaaa aagaaaaaaa acaaagagag agagaaggag gaaaaaaaaa aagaaaggag 1020
 ggaggggtat aacgaaaaag agcgcgaaaa agggaaaaga gaaaaaaaaa 1069

<210> 13310
 <211> 467
 <212> DNA
 <213> Aspergillus nidulans

<400> 13310

```
tcacgcggct acgtcttggc aggcacccgc ggggctagct tgcgaatgac cttctctact 60
aacaaagcat ttttttataa tcctacctac tggccacata aggggtatac atgtaggagg 120
ggggtttatg cctattgagg tgatctatat ataacaaggg tgctagggtat gtatatatttg 180
cctacatggg atctggcacc gcacaccaac tgacggactg agggacccgc ggatcagcta 240
taacaacggt gagctctgat ctctaaaggc tcacgcaggt gctaaagcac gaggctacat 300
taccgacgcy agacaccagt tcagaggacc gggcccgaga tacacaagag gctctgtcag 360
gtcagcatac actgagacag aacttggtta ttgaggatgc atctgggatt gggaacactt 420
gcttgacaca ctatctacgc tagggtaact gagctatggg gcttggc 467
```

<210> 13311
 <211> 1221
 <212> DNA
 <213> Aspergillus nidulans

<223> unsure at all n locations
 <400> 13311

```
agggtctcct atgtaccaag aaaacagaaa attaagggtc tcacaaaata gggaatagca 60
ataccccata tttccaaacg ggcaacattt aaattgacat aaggctctta aagaaatgtc 120
ggcaaaaggc aaggtttgaa tgggtggtggg tttagaatag aaaccgtgta tagccagggtg 180
gcgggaaaaa cgaaagcaag ggttcctaga tatttgtgcc gcccacaatc aaccagctct 240
cattctcttt tggcgaggaa catgctatca agctgagata ccgactgttg taacaccta 300
gaggtgccgt caacgtcgcc aagggaacac aggagccctc tttgaagcta atggtggcga 360
atatcggaga ggtatagtgg tagttgacca gggcaaacgc tagaaagcaa aatattagaa 420
actttcttcc tgttgacgaa cgatgctggt gtcgtaaccc gagctcctgg ttgaggcgca 480
ccggctggaa ggtccagacc ggctttaacg acgatccttc gtcgcaaccg atgacggcaa 540
gatgaatggt gacttgaggg acgttggtgt caagctgcca tgcataaact tggttgatgg 600
cgattgcttt gacttcgagc aggagcttgc ctgggtctgg ggagaagggt agacgggtcg 660
```

gatgagtgct gctccttgcg taaggagaat tgctgctaga tggttgtcca ctgaatgcaa 720
 taatacgagc aacaggagag atcttttgtc ttctgatggc aggaagaacc ctgatgagga 780
 agtgaaaaat gaatgccatt tatctcagtt tgaggggtgtt ttatccagga caagcgggct 840
 ttagctacag agtccgggtg ggtttgaatg caacgggctt aacaagtctc gcgggcttca 900
 ttccagggtg cagtccaggc gtccagcata tatggctagt gggtagtggt caggactaat 960
 cctgttgacc atgcgaagggt tagcctcccc ttctgcccac acgcctgtcc agggggcgct 1020
 tgggcttcga aactccacag agggcattcg tggtagcct acagttgcat ctaatcactg 1080
 agaccccgaa gtgacttttt tagttgatct gtacatagtt agcagaactt cagtttgga 1140
 caagggggcg caagggccaa ngtcgaggt tagccctact ttccgtaca gggagtaa 1200
 gaagagaacc cggtttgtct g 1221

<210> 13312
 <211> 412
 <212> DNA
 <213> *Aspergillus nidulans*
 <223> unsure at all n locations
 <400> 13312

tctgtttcc tgctgtacac ggcttatgog ggctctagca tgttcggatt gtctagcttc 60
 tactctgaat tgatgaaggg tgttggggca gccagtcgac tttttgagct acaagaccgc 120
 cagccgacga tatctcctac caagggcacg aaggctcgtga gtgctcgtgg ccctatccgg 180
 ttcgagaacg ttacattcag ttatccgacc agacccgccg tccctatctt caaaaacctt 240
 aattttgaga ttccgcaagg cacaaatggt gcgattgttg gcccctccgg tggaggaaaa 300
 tccacaattg cttcgttact actgcgcttc tatagtccta gcggngacg tgttctgatc 360
 aatggcagag acatcaagga gatgaaccgc aaatcactgc gtaggaaaat tg 412

<210> 13313
 <211> 1132
 <212> DNA
 <213> *Aspergillus nidulans*
 <223> unsure at all n locations
 <400> 13313

ggagaagcat ccaagatgcc aa'ccccttg accgtgcggt ctacaacaag tcagcaattg 60

ttcgatctcc agaatgagct ccaggcagca agcgaacaat gggagaacat acaagcaagt 120
 tgtgtaggag cagccatttc aagtcctcaa atatctcaat cgtaaaccce gatgtctaac 180
 ggtagccaaa tgcgcgtgtg gctccgaatc cagaagtoga gctctgctga gctaaagctg 240
 aagtcaggct ccccgccaat gataaacaga agcgaaaacg cgatcgatcc gataccagg 300
 accgggaacg gaacggaatg ggtagacgag acgacgtgaa ctcttatcga agagatagag 360
 ggccgactcg aaggctgtag ctatgcgtgg cgagcagttg tttctctgtc tcgcggcgac 420
 acgactcgca caaagaacct tggaacgagg tcaaagacgg cggcacttga acttggcagg 480
 ttgaaactct tgtcgagtct ccagtcgga ttgtttcaga tagatcaatg ctagacaagt 540
 caatgccagc aggaacagaa caggacagga cgactgtagg aggggggggt ggtgaatgnn 600
 naggnnnngn gngnggtggn ngtgtgtntg tctgtttgcg gtgtgtgtnn ttggtaaaaa 660
 aaantttctaa ttnggcaatt ttgtgaaaag gcaggagccc atcctacgtg atatttcata 720
 ctgcagcagt attaagaagc acgccacttg attttcttca tcattcaaat gtccttcctg 780
 taatttgccc gaacgaaaat ttgatttcta ttctacttcg atcggttgag atcgttcttg 840
 atgctggcca tcttgtggat ggctgatctt tgccttcaat tgtaaatttg tttttcttgc 900
 aaatttgtcc ataataacat cacgttttcc tcaggaatgt ccgttgctat gtatttttcc 960
 ttgacgaaga gacttgcttc atatatttat attgcctggg tggttttcat tcaggccttc 1020
 atccatgctt tttctattgt ttgttttcgg caatatTTTT tttgagctta tacgttttac 1080
 ttttttcgtt ggtctctatt ttgtcttttc cttttttttt tcgtatcttt ca 1132

<210> 13314
 <211> 580
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 13314

ttcttatctt cgaaagacgt cgagatcatc tccagttcct cacgttccat gattctgagg 60
 agttgcatac gtacattgtc ggcggactgc agagatcgca aggaaaggaa atggctcgtg 120
 caccactgct tgggggttctc ctgcgcctca gggctcttga acgctgata ggcgttaagc 180
 aatgtcagat gatcgccatc gggatgggca aacagattct tcatttcatc agcgcgcttc 240
 cgctgggatg ccggtctgac gaaaatttgg ggcactgaga gcaatgctgt gatggacaag 300

atctcatttg agcaatagaa ctccggtgag ctgataagca tgaccgcaag tgcaggggtct 360
agcggaact ctgaggcaag gcggccagc ggggtgaggt taccgtcatc atcaaggcac 420
gcaaggtagt tcagttcctc gagagccctc ataagtgtct ctggcgctgg aggatcatca 480
agtcgaaatg caccaagtca tcgattccca acttcttaag ctcaagcacg gtggatgaca 540
agtttgagcg tagaatttcg ggatacgttt gatcgataag 580

<210> 13315
<211> 525
<212> DNA
<213> Aspergillus nidulans

<400> 13315

gaccgctagg acattagga cgaccatatg gtgacgcccg gtagtggata ctatggggac 60
gtgggtgctat gggaatacag acaattgcgg gtcccgacgg gtgttgtag atgctacgag 120
caaaaatcgg ttgggcaactg gtcccgagaga cctgtcatgg cttcaaccgc gagagccagg 180
taatggccag gcggctgtcc tctgagcgag accactcact gtatcctcag ccagacttgt 240
aacgagaact tccggagcta gtccttcgct tatgcctatc ggaggccctg ctgcccagct 300
agttgccgac cccaatatct gagtgaagcc agaaccgaga cgatttggga cgtaccaggt 360
gcttaaggcg acgccattga accagaccgg atatgccctg tcaaacacga ccgcgacagg 420
gcagaccatg cgaacgcaa cagcgacaga caccggcgtg gcgtatcgga tatgtacgga 480
acggcctttt tggcatacac gccattgggt cgaaacggtg gaatg 525

<210> 13316
<211> 896
<212> DNA
<213> Aspergillus nidulans

<400> 13316

tccaactggt accgccagcg ttgccagcat tgctcatcaga cgctatttcg ttccctgaac 60
caacactata accgtgccta aaagcattaa ttcatgggt ggaataataa tgctcatgct 120
cgcaagtgc aatcaaagca gcggtccaag attcatacaa atagcgttgc tgattcggcg 180
gcttggcgga ggctgtgcaa gaccacaatc cccaccgcac ctttcttcaa ttcgggcaca 240
tgaaaaatga agcttcacta ttagcttcac tattatTTTT gttctgcttg tccattgggtg 300

cttatctgca gtgctgttca aagtcaaggc tctgagatcc tctactttgc gctggttaag 360
 atgtcctttt cctgatttgg gtggagttgc agtatcacia aatcaatggg catgcggcaa 420
 cgcgcaactca aatctagacg gtctggagat tcttgttttc ggggtgtgac cactgacgat 480
 catactatcg cctcgggtaca gcactcgagc cttggaagct gccgactgcg gttgagttgt 540
 tgccactgca ggatgcatgt atatctgcct attagtcaag atgaggtctt ttactccaac 600
 tctcgaaaag cgaggacctt agtctttgtc tatacggatt cgtatagtta tgttaattac 660
 aaaggctacg agtccaacgc cagcatgacg tgtttccgcc tcttcagggc tcaatgccga 720
 ctcccttaacc cgtgataggc gagttcgcca aatcccgtag gacgggagtc ctccgattag 780
 gtatctctcc ggtggccgga aaatcgctga tcaacgtgaa acgactatga gattatgtta 840
 taattaacct ctgcagatga ctttaagccc tcaacacata catctttaac tcgact 896

<210> 13317
 <211> 626
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 13317
 gttcctcctt cctggccctc tcgtcgtcgg tgctcgtcaga gctctgtatg acgcaaggtc 60
 agatccttca cacattgtga gtataaatgg ccaacatacc tcctcgtcgg tataaggatt 120
 agcatcagat ccgctgctgt agtcgtaatt cttctccctc ttttgagggg ctttgcgaa 180
 ttttttgcca agaatgcggc gagcttcctt ctccctcttc tcccttaact cctcttcctc 240
 ataatccttc tcgtttttca ggtcaaatat gtttgccttg agttgatctt gctttattcg 300
 tttctctgcc gccttcgcat ctctcgttctc accgaataga tcgtcgtgct cttcatcatc 360
 ggcgaaccgg tcctcttcaa aatccatata gtcagcttct aggcctcccg ccgctggagt 420
 accctgcttc ccagcgtaga cttttctttg gtttgcaaata ctctccagct cctgtcgtcg 480
 ggcttgctcc tgttgcttct ccattgaacca cctaggatct ttaatcttct tggccatgaa 540
 cttctctgct tcttcgatag tcaatgtttt aaactgattt ttggcggttaa atctaattcca 600
 ctttcaactgg tttatcaaaa ttttcc 626

<210> 13318
 <211> 536

<212> DNA
<213> Aspergillus nidulans

<223> unsure at all n locations
<400> 13318

aatcgcggcc gcataatacg actcactata gggatcacgc agttcctgaa cctcctgggt 60
ggaattctcg agcatctccc gcagctccac gattcccatt tgcagatttg cattatcctg 120
tagaatgtcc ttcacaaagc gcgataccac gcttgatccg ccggcccagag tgagggttctg 180
agcagccgcc gctcccttca gtogaccagc tgcccatca agctcgcgct cgaccatacg 240
ccgcctttcc atgcgctgaa ccacctcagc atgccgttcg cgctcctcac ttgcttcctt 300
ttccatccta tcaacctgat cgttcaggtc tcgaatcata cactccgctt tcttccatcg 360
gtccatcgcc gacttcgagt ctctctgagc tgtcaacagg ctgtcctgca acttcgactg 420
ctcggcttcc aagatagcca gctgtgcctc gacatcagca gcacgcgcac gcgaagcggc 480
caatgtgcgt agntccgct tcgtttctct cgagtttcaa agccaacggt ttggcg 536

<210> 13319
<211> 1033
<212> DNA
<213> Aspergillus nidulans

<400> 13319

aatattcaac aagagtatta acagaaagcc gcaggagagt agtgcacgac tagatgtgac 60
atgattatta gcggctatct cttttctcgg ctctcactgc ctctagacca gccctaacct 120
caaggtagac agaccttagc tttgcaagac agacgtgacc tagcaccggc cagaactgat 180
gtttcatatc tatatcagcc ccggcattcc tagattgcaa tacgaaccgt ctccatcggt 240
acctgaacgg caatacgaac cgtctccatc gttacctgaa cggctcgtcc gcaggagaaa 300
tacaccggga gtatcgagtt agagacagtc tcgttcccat ggcagctgcc cagctcgtgg 360
tacgcgatat tcgcatagtg agcccttggt tcactccagt tggcggtaca gacatgcgat 420
agcttactgc tgcttgatac gacttcaaag aatgcgtctt ccacgaaaac aagggttcaca 480
cgccatcaat tagtcaagaa gttccacccc gcctgtagtt tatgtgttta atctatgctc 540
ggacaacata cgaatagtat ccggaatctt ctaaactaag tcaccctctg atccgggaat 600
acacggacac ctgaactctg gggctggact ttcaatggga agttttgaag gtctaccctc 660

catTTTTatt ttttggggg aaaggaaaac caccgttggg atTTTTtga ccaaataagg 720
 gcatggaaat ggctccacct taagggcact gggtgataaa attttccgcc cttcccttgg 780
 gtttccaacc ctttagccct tcctaaaggt tcggccgaac ggcccaggaa ccatggcgag 840
 ttcttcttat taaacaggaa atctgctccc tttaaaaggc ttccgggatt gtttttggct 900
 aattcccctc cgcacatact ttactacaat tacacactcc tatctctcta agtcttttta 960
 taattttctc acttctcacc ttctttaccc tttctttttt tatactatac tttctctcct 1020
 gcttgtacca tcc 1033

<210> 13320
 <211> 1004
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 13320

aaaaaagaa aaaacaaagg ggaggggaaa aaaaaaaaaa ccgggaggga cccacaaaac 60
 aaaaaagga aaaaaaaaaa aaaagaaaca aaaaccaaaa aaaacaaaga aaccaaaaaa 120
 aaaaacaaa aaaaccaaga acaaaacagg agaaaaaac acaagaagca aaaaagaaaa 180
 aaccagaaa aaccaaggga aaccaaaaaa aaaaaaaaaa gaaggacaaa aaaccaaaaa 240
 cgagaaacga acaaaaaaaaa gagaaacaaa acaaggaaaa ccaaaaaaac caaggaaaag 300
 ggccccaaag aaaaacaaaa ggaaaaaaac acaaaaaaaaa gaaaaagaga aaaaaaaaaac 360
 agaagcagcg acaaccaaaa aaaaaaagaa aacacaacca aaaaaaaaaa aacccaaaaa 420
 gaaacacaaa caaaaaaagc aaggcgaaac caaaaaaaaa aagaacaaaa agaccccaag 480
 gacacgaaaa gacagaggaa aagaaacgga caacacgtga acaaaaaagg gaccaccca 540
 aaagaagacc aagaaaaaaa aaaaaaaaac gaagaacaaa acaaaagaca aagccaaaac 600
 agaagcaaaa aaaaaacccc agaaaaagac caaaaaagga gagaaccac aaaaaaac 660
 aaagacaata caaaaagaaa cgagagagaa aacaaaagaa caaacacaga aaacggaaag 720
 cccaaaaaaa aaaaagaaaa aaaaaaaaag gagacaaaaa agaaaccac acaacaaaaa 780
 aaacaaaggg gaaaaaaaaa aagaggcgaa caaaaaaaaa ccaaaaaaag aggaaaaaac 840
 aaacaaaaaa aaacaaagac gcgaaaaaaa aaaaaaacaa agaaaacagg aaagaaagga 900
 aaaaaacaca gaaaaaaaaa aggaaaaaaa gaaaaaccca caaaagcgag aaaagaaaca 960

aaaacaaaaa acaaaaaaaaaa gaaaaaagaa aaaaaaaaaa aaaa

1004

<210> 13321
<211> 720
<212> DNA
<213> *Aspergillus nidulans*

<400> 13321

tacgatctca tctatatggg agacccatat gcttatggat ccgctgcaga gtcgatccct 60
ccacgactgg cgttgggcta atggcgctcag taggctaccg taccagactc ttggttttga 120
tacagagggg ctcttgacagg ctgtacagat gactgaaatc gttactgacg taagttccac 180
ccatgagact cctgactgta ccaaaattac tcgtcttgtc ggcccattgt agtctgagcc 240
gctagcatat ccgagatttc cccggtatca acaaaagtac ggactgcaga tgtaaccggt 300
ccagcagact gctgctcaca taccacgcgc atcgtgggtg ttagtggtgc ttgtactgaa 360
gggtttgaat tcgggtggtg gtgttgccgg cgggtccaag caaagagttg acttcggatc 420
tgcaacgacc aggtacaaat tttggccccg gtgagttgca tcttgctagg aatctctgct 480
tggctattcc ggagaattat cgcagtgtga gtctgtggtg aagcttggtt cccactattc 540
atgggactct tgtttcagggt tcaggcctgg cttggtacat tgaggctttg agttgagtcg 600
gtaggcaacc agtaaccaca ggccagaagc ttcactgacg tatttctatt tgacgatgca 660
gtcaggcggt ttttctagaa atagttcctc cttgcttggtg ataagtgcac ggttttgccc 720

<210> 13322
<211> 622
<212> DNA
<213> *Aspergillus nidulans*

<400> 13322

gagattagtg tatgaaccaa ttccatggag ccgatacatg caaatgacag ccaggatcct 60
gctttaattc ctgataatcc tgcatatagc aggcggggct cctttatgag tcacgtagt 120
gctataggca cgccgcttga ccctgcaagc catcactgtg gacagtcagtg tgatcttgag 180
tcatgggcaa tgtacgagga taagcacacc tgacgatcag ggatctcaac actgtatggc 240
tacattgctt tagccatagc atttacttac agcgttctac taaaaaccac gataagcact 300
ggaacaatct gatattctac atatccaag agaattgggtg ccacaaaaca ggccgagtggt 360

tccaggctgc cgacctaat cttccaccct accaaaccat taataaatgg ccgtttaact 420
 taatctccag gtaggccttt gtcacccgaa actttccctg cttcggatcc cacaacaact 480
 tcacgaacca attacatcta atactcttgg gatacaggcc ctcgaccact gttgccgtgt 540
 atcgctcata gagcttgatt ccatcagcgc aaagaagaga actgctgagc cggagcaaact 600
 agatttgaat atttggattg gc 622

<210> 13323
 <211> 782
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 13323

ccgcaagatc agggtaagtc tttttaccat ttcaacgtgc aactctgcta acgtacccaa 60
 atatgggatac ttcgaatggg ctcgatctac aacgcctttg gctatgataa accagtcacc 120
 agcatgatgt tcgacacgaa gcggaattgt tgctgcagct ggagagaacg tcgtcaaagt 180
 gtacgacaaa gcagatggcc accactggga ctgtggtgct ggggtcggag ccgacgaaac 240
 aggacctgac cctgcgatcg ttgagcgtgt ccgactcaag gacggattcc ttattgaagg 300
 ccgcaggggac ggcattgttg cggcctggac ttgttaaccg cgcaggacaa actcacgtac 360
 agataccatc tcgtacatgt tactactata cgcaccggca ttgtttactc gcactctgtat 420
 attacatcta ttcttggagt cgatagaggg aatgggatgg ctgtccggtc ggtcatctga 480
 gagcttgaaa ccgacaaagg tcgcagttat gggtacaata aagcaaagt ctgcggaacc 540
 tgtctaagta aaaatagaag agatcttact atagtactat tcatggatat tggaaatatt 600
 ctgaacgttt tgcaccaggt tgatcttgaa gacaatcact ctagaatgtc agtcacgctt 660
 ttccgctttg ggtgcacgtg ttccattca atccagactc tgttttttct gtctacacat 720
 ctcaactaaa aacatacatt cgacacttta cactagattc aaacgcgtct tagtttttgg 780
 gc 782

<210> 13324
 <211> 567
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 13324

aagtgcagat ttttgatata cccagaaat actaattgta ttctaaaata gcagtgaaat 60
ctgaaaactg ccttgaaggg attgaagtta ggtccatact ctgcctggag gtcacgtgag 120
actgattggg gagtgaaaga ggatcctgga ttctttccaa gtctgcatac tgcataccat 180
cacgacatcc aaggtagttt ctggagtctc caatgatttc gcggtgttgt gaattctccc 240
cacattcgct atcgaagcta ctttctttat cagagctcca acggcctagc tatgtcagct 300
attccggatc cagcgtttcc cgcacatccat ggctgcatcc tctcagcgtc gcacgagccg 360
ttgataagct gatatcaacc agccaatgta acctattgag tcttgctgct cttgactctg 420
ccaggacgag gtgggggttg ttgggtgacg atgacgctgg agatagaagt cttgggtatgg 480
gggtgattcg ataagctatc ttgcttatat cgagatatcc aaaaatacat cgccatgacg 540
aacagttatc tatcccttgc ttcacatca 567

<210> 13325
<211> 1056
<212> DNA
<213> *Aspergillus nidulans*

<400> 13325
agatctcccc aacaagcact tccccgcttc cccgcaccgt cacagcgcg ccatgtcgact 60
accatccaag agaaattaga tatcctgcag aactactctg cgtgtgatgt atgctcactc 120
acgcatcaag ctatgggccc gactacgagc tgatatcccc tccttgtgat taggtctccg 180
acgtttctct caagattcag aagccagcgg atggatctcc cccacgagct ggatatctcg 240
ctgatctgag tacgttctgg ctttgtctc cttcatcag caactatcca gggaaatata 300
taatgaccgc agccccattc tccccaatat tggggcgcaa cagacaacc cccaagatca 360
tcgccccgcg ttcgacaatc caattcattc ccaagtctc ctcgcccgtt tccctctttt 420
ctgactccgc ctccacccca aatccagacc agactttccc tcaaggaacc cactgggttg 480
acaacaccga gcccaacacg atcgtgctaa tttcccaacc ccccgggcaa cactgcgccc 540
ttgttggcgg tatcatggcc gtgcggatga aaagtctcgg cattaaggcc gttgtggctg 600
acggccgaat tcgggaactt aacgagatcc tgggcgcgag cttaccgttc tgggccaagg 660
ggacatttac cgctggaaca ggcgcggagg caagatcctg gttcactggg cgggtgtggc 720
tgtgagtcgc ctgtaacgtc ttatctcgtt gtaacaagtc atggcgtaaa ttttctgccc 780

gagttggggcc tttccttctc agtcttttgc tctcattttg ttcgctcccc ttgtaccctg 840
 gcgggccggtt tcgggcttcc tctaacctta tatgtcgttt tactcactta cacagccctt 900
 tcaactccctt tcgggttctta cctgcccttg gctcccttgc cttctacgac tccttccctc 960
 tcggatcccg ctttgcttcc caatatttgc tcgcaacttc cttcaaccgc tccactgtct 1020
 acctgtattt cttctgctcc tcctgccggg ttagat 1056

<210> 13326
 <211> 1215
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 13326

atgatcttga tgggcgtctt gggcaagtgg gcatgatcat gttgctggtc gacattggta 60
 ttgaaaaact ctagaatagt ctccgtgagg atatggcgcg ttggttcagc tcaaacacacc 120
 ccttgcttgg cttggctggg ggactctgtg ttgggtcccg ccaaccgcct tgggtatgct 180
 gatctcctga attgcggcat ctcgaggctc cccgtcgatt actcgattcg caaatgatga 240
 gagtatacgg ggaattcgag caagatttat tcgggcagcc tgaggctctgg gaggccggtt 300
 ccatagatag agtgaggaac atcaactgtt ctcgagtagc ggtccgtttg tgtctagcaa 360
 cgcaacgtca gtttcaactac ggcgtctgaa tgagttagct tggttagctt aactgcatcg 420
 cacttgagct cacgagtata tcttcaaagt ctgcatgtag tcattgtagc tgttgtggac 480
 caaccctagt tcatgttgat gaggatgtag tgggggatga ttccacaacc attgtcgaaa 540
 tatataatga agcatggttg ggaaccgtga tatatagtaa gggtagagcaa cccacgacca 600
 cctgctgaac atagctcaac tgctgaggtt ggcattcatt tgatgcaata tacgtccaga 660
 ggtatacaga ttagtggttg tggatgttcg taagggttga gatttggagc cgatcgctgt 720
 gaattcaaca acagtactcc gtagggctct ctctttgatc agttttgcat catattttaa 780
 gacaagaagc ctttcaacaa taaatccttg atgggtctac gtcattgatt tcccttggaa 840
 cctaaccaga accaggcccg gagaccctgg tttactccat accggggatt cttttgggta 900
 cttttttttt tctataaacc cttcctttta atcttccgaa tgctttttat gccaatttca 960
 cctccagtaa caatttccat aatcgctgat taaccttttt gccctccaaa cttatttccc 1020
 tttcatttta acctgttggt atcctcacc cgacgttctt tccgtgggta ttctaaattc 1080

tccccgcttt cttttccacc ctttttctcc tcatctttct atttcacatt actttttccc 1140
 ttctttaatc catccatcta ccattcattc attctttttc tccctctttc tctctaccct 1200
 ttcttttcca ttatt 1215

<210> 13327
 <211> 706
 <212> DNA
 <213> Aspergillus nidulans
 <223> unsure at all n locations
 <400> 13327

aaaanaaaaa aaaaaaaaaa aaaaaaaaaa aaannannaa aaaaaaaaaa aaaaaanaaa 60
 aaaaaaaaaa aaaataaaaa aaaaaaaaaa aananaaaaa aaaaaaaaaa nnaaaaaanaa 120
 aaaanaaaaa aaaaaaaaaa anaaaaaaaaa aaaaaaaaaa aataaannaa anaaaaataa 180
 taaaataaaa aaaataaaaa aacaaaaaaa aaaaaaaaaa aaaaaaaaaa aacaaaaaca 240
 aaaaataaca atcaaaaataa aaataaaaaa acaaaaaaaa aaactaaaac aactaaaaaa 300
 caataaaaaa aataaaaaca acaaaaacaac caaaaaaaa taaaaaacac taaaataaac 360
 aaaaaacaaa aaaattaaaa aaccaaaaat acatataaaa aaaaatataa aacaacaaaa 420
 acaaaaatat actaaaatta aaaaacaaaa aacaacaacc aaaaacttta aaaaaatta 480
 aacaataaca aaacataaca ctaaaaacaa aaaaaatcaa aaaaaaaata cacaaaataa 540
 aacaaataca caacaaaaaa acctacaata aaacaaaaaa taacttaaac aaaaaaaaaa 600
 aacaatacaa taaataatac aaaaaaaaaa taaaacaaaa aacacactaa aataacaaca 660
 aatcaaacaa aacaacata aaaaattaca aaatatcaca aaaaaa 706

<210> 13328
 <211> 1301
 <212> DNA
 <213> Aspergillus nidulans
 <223> unsure at all n locations
 <400> 13328

tatcaataat acgactcact ataggagac ccaagcttag gatcaaacac attcgcagat 60
 ccacctctcg ccgcgaaagc catcccgcc cttccggtac ccaatgcctt tgatgacgat 120
 gccaccgccc ccctggcacc atctaggcta cgcaaatacc caacaaaagc ggccatttgc 180

ttccctaaaca ctgcatacaa ccgcttgacc atggcttcac tctcgtgcct cagcccatgt 240
 gtcccatcct tgcgcgacag aggcgcaaac ctgagaatcg tgtcaaatat cccttctagc 300
 agcctcgcaa cttcagcctg ccgttttagtc agaaagagcg cgaagagcat ctggtctagg 360
 gtgtttctcgt ggtacgctcg cagtgttaga atggaatggg ctgcttcgat ggttgcgctg 420
 atatcgccgc ggtctaggca tgctcgatt tgagagaggg tatccccgaa gcgctgccat 480
 gtggaaccga cggcgagatg gaagaagtag tcgctgaggg cgaggatgaa gtgctggctg 540
 tctatacgga atttctggag taaatattgg gtgtcccctg agagggaatt tctggctgtt 600
 gaatcacgga tgaggccctt aacgaccgaa accatgcgga ggaagataag aaagttgttt 660
 gaagaagggt ggccgtacct tcctagggga gcggtgggtg gattgaaacc tccaaggacc 720
 gtatgatgct tagtatttgg aggtaaaagg aacaaccata tgtaatttag ggttgggggt 780
 tctagcacct gggcaacttc tgctctgtt aattcccccc ttgaaaaatc ttaggcctcc 840
 cggactgccg gttcttttcc aaaatagggt tcccggggcc tcccattat ccaccaaac 900
 atttgttaag gttcccagag aaaaagttgc ataatgctct gtggcaacat gtatgctaaa 960
 aaacgcccgg acctggggac accctttttc aaaccgcttt ctctcccttt caatccgggc 1020
 ctttattgta aacccttcca actccgggat accgtaaaag aaaaagcccg cgccctaaat 1080
 ggnccttaac cnggccaaaa acatatccct cttaaggaaa cctcaactt tccccctct 1140
 tggatttaac acccattcat ctccccgggg gacttctctc ttcctctctc cccctctaaa 1200
 tctcacgaa agnnttcnct ctcccccca ctccatactc tctctaaact aaattcaatt 1260
 aaatatacaa actcttctaa aacaacctcc ccactctctc c 1301

<210> 13329
 <211> 791
 <212> DNA
 <213> *Aspergillus nidulans*
 <223> unsure at all n locations
 <400> 13329

gttaatggta ctttgggtcac aaataaatta tgtgggtcttt ttttctattt cccgttgtag 60
 agattgtcca cttactattg catggatgca tctagatcaa ctgaacgggg gtcattggcg 120
 caacatttcc attataattg tgagaaaaag caccagggtg cttggaagag attttaaccg 180
 tatttagtga tccagtctac ttatttttaa tcttttttat tttttttaat ttatatactc 240

tccgttttcc aagtttggtta cccgtgaaag ataacaatgt tgtttaaaaa atttttttta 300
tcattatagt ttttttctta tattattaat tttttggtga caatataatg ctgaaacaac 360
attgtttttt tatttatatc atttttttat cctatagctt tttataatta aactagtaca 420
gtgggtttnt ttttaatttt atatagtttt tttttccttt tattctatta taagtttggtg 480
cattaaatat tctttttggt ttttattttg atattttttt ttttaagtat ttttctaact 540
tttttttagat ttttttttat ttttttattg tatttatttt atttacttta taacatattt 600
ttatatattt tttttttttt tttttttttt ttaattatat atatttttta ttatatattt 660
tatctttcat atattatttt tttctctatt tgttaaaaaa tttgttttat ttttattttt 720
ttttatttat cttattgtat atttttttat tttataattt aattttattt ttttaattata 780
tatttatattt a 791

<210> 13330
<211> 131
<212> DNA
<213> Aspergillus nidulans

<400> 13330
gtcctccgtg taatcagccc cgggccttga tctgcatgc ggtaatcggc ggaatacatc 60
cgatttgcag ccaatgagtg cgtgaggtgg ttgatccgct ggatactgta gattcgcagc 120
atcaacggtg c 131

<210> 13331
<211> 931
<212> DNA
<213> Aspergillus nidulans

<223> unsure at all n locations
<400> 13331
gcttcctggg atcgctttta cggaactatc cgcagggtgc catcttcaac gtcgatgaga 60
acggcagtat ctctctagt gaaggcagcg atagctcttc agggaccagt gtctcgcggy 120
agattgtcta ccgccgccac gaagcgccca aagtccagcg gcggtggaag cagcagaaac 180
gccaccggtc cagcctgaag gaagagaaca aatggttgct gaagatcttc ccgtctgcgc 240
gctgcatcac cctgttccca ctctgggatt cccgccgcaa ccgctgggtc tcgggcctgt 300

ttctctggac caagtcgccg cgcagcttca gcctcggagg agagctagcg tacctctatg 360
 ccttttcgaa cagcatcatg gccgagatcc accggttgga catcgagcta gccaatcggg 420
 cgcattgcgac gcttggttggc agtatctcgc acgaactgcg cagccctctg atgggaccc 480
 gggttagcacc gagctgctgg gcgactcgga cctgaccctt gcgcaaacgg cgctcgtcaa 540
 cacggctcgag cactgcgggtc gctcactgct ggatattatc aacaacatgc tggactttgc 600
 aagatcacca gttcgcgcgc aagtcgcggc cgcacgggtc aagtcgcgcg acccgacggc 660
 gcagcaccga ttctcatgcc tgctagggga aacngatgtg atctatattc gactcagttt 720
 gaccgtgctt gagaatgccc gcagtgtcct gcacttgtag ttaagacgac ctgccctgct 780
 tgccacttaa aaggagaaag tgtgcagcac gaggcctttg gtacaaccta cgattaggcc 840
 cattcagtgt gacacagagg ggcgctgact tgagcaaacc ctgtcccccc cccctttttt 900
 tttttttata acccccccca aaaatttttt t 931

<210> 13332
 <211> 399
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 13332

tccaaagggt ggctcacaaa cactttcatt ggagtaatga ccacctcgtc caagttccac 60
 acgcccagtt tcgcatgcgg atcatcccga accatatccc agacctcttc ctccgtcgcg 120
 gccttgacac gatggatgct tcctatgatt ttcttgaaac tgtcttcgag gtccttcggc 180
 tgtgaagagt agatggggcc gccaaatgcg atttttcccg actcgaaatg cggcttggtt 240
 tggcttaggt ggagagggcg gttctcgatg cgggttgcca gcacattggg gtgatcgggg 300
 agggcgacca gccagtcatt ttgttcagac atgatggatt gtttgaggtt tcagataagg 360
 agggttgtag tggttaagta tagaagttac atggcggtc 399

<210> 13333
 <211> 1032
 <212> DNA
 <213> *Aspergillus nidulans*

<223> unsure at all n locations
 <400> 13333

aaaagaatat aaaaagagaa aaaaaaacac aacttaaaga aaaaaagaaa aaaaaaaaaa 60

aaaaataaaa aataatataa ggagatagaa cgtacaaaaa taatnaggaa aaacccgggg 120
 gggagaaaaa gaaggcagaa aagaaaagaa gagagaaggt tttaaaaaaa gaaaaggaga 180
 ggaaaagaaa ggggggaaaa aaaaaaaggc aaggggggaa aaaaaaaaaa aaaaggaaga 240
 aaaaaaaga agaaatagaa aagaaaaaaa ataaagaaga gagaatgaaa aaaagaagaa 300
 aaaaaagaaa aaaaaaaaaa gaaaaagaaa aaagaaaaga aaaaaggag agaaaaaaag 360
 aagagaaaaa aaagaacaaa aaggaggaaa aagaaaaaag gaagaaaaaa atgggggaaa 420
 agaagagaag aaaaacgaaa aaataagaga aaagcaacgg atgggaagag aaaaaaggac 480
 aacaaaggga aagcaggaaa aatgaaaaag aaagaagaaa taatagaaaa aagaggaaaa 540
 gagaaaaaga aaaaagaagg agagggaaaa taggagggaa aaaaataagg aaaaagaagg 600
 aggaagaacg acgataaaag aagaagagac aataaaagat aaaagagata aaagaaaaaa 660
 aagaaaggag aaaagaaaga aaaataagga aagaagagta aggagaaaaa aagagagaat 720
 acgaaaaaga aacaagataa aaagaacaaa aaaaagataa atagaaaaaa gaaaaggaac 780
 aaatataaca aagagaaaag agaaaaaatg aaaaaggaga aatgaacaaa cgaagctata 840
 atataaaaag aagaagaaaa gaagtaataa gcggacgaaa aaacaatgaa gagtgaaaag 900
 tgaagaagaa aaagagaaga agtaagtaac aaagtgaaga gaaacaaaag aagagaaggt 960
 aaaaaggaga gagaaaagaa aaaaaaggaa aaagaataaa aaagtaggaa taaactagag 1020
 agaacgaaag ag 1032

<210> 13334
 <211> 704
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 13334

gaataaccct actaaaggga tcagttctac gaagaagcgc gccgatgcct cgaggaggag 60
 gaaacagaag gcaactgtcag tatcccgaca attcaaggcc tactgactct gtgggtgagg 120
 ttagacgcct aagccgcccg ccaccggcgc agtcagggct aattggagca ggctagttat 180
 gatgggaaaa gaccgccttg gctggatgta tctcgatctg gcctgtcgcg cagcagagga 240
 atatgctgca ctaaaccag cgcgatctcc tgaggatgaa agtattcgcc ttgaggaaag 300
 agtcgtgaat atggcactgt ggggtagctt tagcatggca gcgtatgttc cccgggggta 360

gtttcgtttg gaagctaacg acctgggcag cacctctgca gcgtccttaa tgaagcatat 420
ccacactagc ccgcctgcac gaccccgctc accgatgaat cacaaggatc caagtgatgt 480
ctggtagccg taccgggagg gaaccgaccc gtttccaggt cactacatgt gtgtttttga 540
tcgatgggtgc gacctgaatt gcatcgcatc cagcatcagc agggcctttt attcagctga 600
agataaagtg ccagcttcag aacaggcctc ttggtcaatg atgtgtaccg gcaatttaaa 660
agctggtatg ctatttacc ccatgccttg aagcgaaacg gcat 704

<210> 13335
<211> 1157
<212> DNA
<213> *Aspergillus nidulans*

<400> 13335

acctcagcat gtcgcggccg cataatacga ctactatag ggatccagat tccattctca 60
ggcattgctc ctttgggtcaa tgcgagcacg cactgtcacc tgtgccatcc ttgtaccaca 120
cccttagtaa cggattcgta agcgagtcta ctgcctactc agaacagtgc gcgatattca 180
gagaccaggc agccagcaaa tgctcgcccg gtgtgtaact gctaatagcc gccattcggc 240
cattgatagc cagtgggcat tttgatggcc ggtaagataa ctaatcaaaa taaacggcgg 300
gaagtcggcg agtcagccct acagaggatc tgcttaacaa ctccgcccat ccagcgtaga 360
aacggcttta tctccgccct ataccgttgg cattaagact cctcgcagct tctggtcttg 420
aaccgaatgc aagcgttaga ctgacatccc tgcacccatg tgtctcacgg atgataacgt 480
cttatggcct cactgtcatc tcttattatt ggcggcatat atcactgatt tcagttacca 540
ctgatcagta atcacgcact gcggcgcttct gttgtgccta cggacaagaa accctgtggc 600
tagaccttct ggggagaaat agtcacgagt cttaacctta acggacgaag ccgtccacgc 660
tctagcattt tatttgcccg cggtgctat atttgatcc agtagggtat ggacgactaa 720
tgattaagcc tttgacagga gacacacgca ctagtcgatg gcagcgaaga tcaacacgcg 780
tttcagttta ctgtcgaatg atgtgcaaaa tgcgaaacaa caggacaaaa tagctgccaa 840
cagtctgggg tttctcacia tctggttggc ccgcgatcat catgcgacgg ctttgactgt 900
ttcgataacg ctacgtgac agtagacata acggtttgag tacagttgct tcagttttcg 960
cctcttgtga atctgcagtc ctgctgagtt ctaaggatgt agattcagta ccgacccatg 1020

tattcgtacc aaccaaacc aaccaacat ccgcaacatg cactgggta ataatccgag 1080
 tcatgatacc atttcaagac ctgagtgcac attcatcatc tcatgacgat catgtcttct 1140
 gatttggctt agacgac 1157

<210> 13336
 <211> 597
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 13336

gctaacgcct cggatgtttg gccctcactt ccatgtgtca agcccggccg gtgcactgac 60
 taggcgatcc acggttctct ggggtgcgtc atcctgagat cgtcccgact aacaggccgg 120
 ctgccgctaa cgatttcatt ccgtcagcag accctcatga cagtggatac acctacggat 180
 ctgcctaaga ctctgctctg ggcaggggaa ggacgctact ggggtgtgcag gtgggggttac 240
 acagtatgct cgtaacacgg atgacgggaa caagacgtct ggttgagggg ctttcttgac 300
 cggctctggat gaccctgtga gtctgtattg accattctcg catcttccta cactagaact 360
 gcaaattcttg aggggggtgag ccatctggcg aacggatagc cctgtccaga caggatggca 420
 gcaccgctgt gtggatcttc gtggagctca cctctgggtga tgctccaact gggacaaggg 480
 cttgggtccga tggatgaaa cctcgggtcg gtgtaccctc tgagggctac cggctcgaag 540
 ggaacacagt tcacaggctc gtaccagggt tgcatagatg gggctctgac aacccaa 597

<210> 13337
 <211> 596
 <212> DNA
 <213> *Aspergillus nidulans*

<223> unsure at all n locations
 <400> 13337

gtttggcgag cccgcgcttc gtatatcacc cgcccaggac cgtgtacacg gccggtttta 60
 tatgtacccc cgtgagccca acgagaaagc ggctggcata gagttggtac ggggtcttga 120
 cggcagcggg ggaagagggt aatataaccc agagacattc ccaggggagg caccagatga 180
 agaggcggac tagatggatt atcactagct gaaccaaaga gtcaaaagga ggtgtgatgc 240
 agcgcgtac cgcgggtaca gatcatttgc gacggaattt gagagattac gtagccactg 300

gatacgtttg tcagagtcct ggtcggattt atactgtcga cagggaagac gtacattgtc 360
cacatggttag tgaaactctg gtactggttt cccgtgacgt tgagctcttc tttcatcctc 420
gcgaagtatg cgttccctag acggtccgtc agttcaccgg tacgaggagc cgggacttga 480
gtacctnccg tacatggtct atcacctacg cttcgcacan gaggactcng aagcgaggaa 540
tctccagcta aggcacacag atattatgca taaaatttct ttccataacc catcgc 596

<210> 13338
<211> 1321
<212> DNA
<213> Aspergillus nidulans
<223> unsure at all n locations
<400> 13338

acaaaaacaa ctaacaaaac ataaaaaaaa acaaaacaca caaacaaaac taaacaaata 60
taaaacaaaa caaaacacaa aacaaaaatc caaacaacaa aaacaatnaa tcaacaccca 120
annaagaaac aacatatnaa ncaaaccncn naaattanat tannaaaaaa aaaccaaag 180
aacagaaata aacaaaacac aaaaacaaaa caccacaaaa ccaagaacac acacaatata 240
ttgcacaatc ccacaacaat tgaaaactaa accaacaaaa aggaaancca aaaacaaaaa 300
aaaaaactca agcaccaacc aacaccacaa aaacccaaaa acactcaaac caaaaagcca 360
ccaaaaaccc acaacacaac aaaaacacaa caccacacaa aacaatacca agaacaaaaa 420
acaaaataaa accaatcata acaaaacaag acacacaaaa acaaaacaca caaaaaacaa 480
ccacaaaaac caccacaaaa aacaaccccc accacaagaa agaccacaaaa aaaatcacaa 540
aaaaacaaaa aaaaaaccaa aaccaaaaaa cccccaaaaa ccacacacca ccaatacaaa 600
aaacaccaca aaaacccctt accaacaata aaaaaaccac caaaacaaaa aaaataaccc 660
aaaaagaaac cccaacaaa acaaataacg acacacgccc aaaaacacac ctgtaaaaac 720
aaccacaaa ccctaaaaaa aaacccccaa aaacaaaaac acaggcctaa acccccagg 780
aaaaaacacc ccacaaaaac aggggcgcaa cgacacaaaa atgcacaaat tgaaaaacaa 840
ccaaacaaaa aacaccccag cgcaaaataa acccaaaaca caaaaaaaaa cccccacca 900
aaaaaaaaatc caaaccccc aaaaaaaaaa acaaacacac caaaaaaaaa aaaaaaaca 960
ccaaaaaaaa aagttcaacc acaaaaaaac caaacgccc aacgcaaac attaccaaaa 1020
gagaaagaaa ttccggaaaa aagacctcgc acaacaaaag aaaaaaaccc ccccaaccc 1080

caatcaaaaa aaaaaaaacc caaaccccca aaaaaaaaaa aaccaaaaaa aaaatcctta 1140
 aaaaaaaca aaaaatctaa tcagacaaca agaaccacca aaaagaaaaa aaaaacctac 1200
 taaataacaa aaaaacaaac aactggacaa caaaaaaacc aaaccaataa acacaaaaat 1260
 aaaaaacaaa acacacaaaa ccaaaaactc caaaaaaaa aaaaacaacc taaaacaaaa 1320
 a 1321

<210> 13339
 <211> 505
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 13339

actaaatggg atgcttgact ttttgctact atcaagcaat gaacatgctc gaatccaacg 60
 tcgttcccgg caaaaccaag actatcatcg agtacagttc cggctcgact gtgatttcga 120
 tgtcgatgat cgccccgggtc atgcacggta tcggcgatac gcgcgcctac ctcagcaaca 180
 agaccagcga cgctaaactc aagctgatgc agttcttcgg gctgaatatc agcctcttcg 240
 gcggggccgtc ccagccggaa ccctacgacg agcgcgcgcg gatccagagc gcacgacgaa 300
 tggctacaga gtccgacgag atcctgaatc ctaaccagta cgaaaacgac aagaactggc 360
 agagcatatc cgctggaccg ggccgcagat cttcaagcag ctgcccgaga tcaactgttct 420
 ctgtgctggc atggggacat cagggaccat gaccgggctg gggacgtact tcaaacaggc 480
 caagccgact gtgctgcggc tggga 505

<210> 13340
 <211> 854
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 13340

gaccacggtt tctgctgctt cccccggggg catcattcca actctcccgc tcccctagcg 60
 ataccttata tctgcttaca aaccgcgcca gtcttgggat ctttaacagc gattgcgggg 120
 cgagaatcct ggaaaggtaa tgggtgaatc caggacaccc tcatacagtt attgagctct 180
 tgaccatgac acttaatact acatgtgccc cgttacaccc aacatggagc ataattcaga 240
 atgaagaact gaacgctctg tcttgattca ttcccaacac cggttatata gggcaagagc 300

agaccatgaa accagcgcac acttgccgtc gagacctcaa aggaacgcca ggctgcacat 360
 gcacagccac ggagttaaac aaaccgatgc cagacctacc ccctgtttcc cccgttattc 420
 ctgtgcatgc cattctcttg ctagatgttt cgcactcccc tccccgaggg cctagacgag 480
 tcatgaaacc catccgccta atgttatcaa gcgccaatcg tttggggcaa tgtcgaaaca 540
 gaagactcac ccgtgacaca tgcccatttt tttccccctt ccgcaagaca actcaacca 600
 caacttttct gacctgaaca caaaccagcc aaaacatggc gaccatacat tctactaaca 660
 tgaaccactt ctatctcccc cggcaaataa cacttgttac tetcaattca acgatgacct 720
 tcacaccttt tccttcattc acagctcttc atcacctgcc ccattcaatt cccccctcta 780
 cttaaccgtc tgtcatcttt ttatatattac accacttgat acgtccactc actccttttc 840
 cccgactatc acac 854

<210> 13341
 <211> 1259
 <212> DNA
 <213> *Aspergillus nidulans*
 <223> unsure at all n locations
 <400> 13341

acaagaaaaa acaaaaagag aaaagaaaaa aacaacaaaa aaagaaaagg caagagaaaa 60
 aaccaacaaa ttaggggacn accgcgaggg gagtaacaaa aaaaaaaaaa aaagaccgaa 120
 aaatttataa acaccaaaaa acaacacaca acaaaggggg gaaaaaaaaac aaaaaacaaa 180
 agggggggaca acaaaaaaaaaa aaaaaaaaaa aaaacagaaa aaaaagagac caaaagaaga 240
 aaaaacaaaa acaaaatagc aaaaagaggg aaaaaaaca aagaagaaga gaaacaacaa 300
 gaacacaaag aaaaaaaaca aaaacaaaaa gaaataagca gaacaaacac agacaaaaac 360
 acaaaagcca gaaacagaaa gaaggggaga aagacacaca acaacaaaaa ggcaaaaaaa 420
 aagaagagaa acaaaaagca aagaaagaaa ataaaaaaag aaaacaataa atacacacaa 480
 aagaagacac aaacacaaaa taataaaaaa aaaaaaaaga caaaagaaga aagaggaaaa 540
 aaaaaataaa aaaaaaaaaa aaaaaagaga caaaacaaaa gaaaagacgg aatcaaaaaa 600
 aaagaaaaaa gagagaaaga aaaaaagag aaaaacaaac caaaaagaaa caaaacaaac 660
 aaaaaaaaaa caaaaaaaaaa aaaaaagag aaaaaaaaaa aaacaacaaa aaaaaaaaaa 720

aaaaaaaaaa aaaaaaagac aacggaacaa aacaacaaaa gaaaggaaca cataaagaaa 780
 gagacacaat agaaaacaaa ggacacgaag agaagcacia agaaccagaa aagaaacaag 840
 aaacaccaac aaagaaagaa agaaaaaaca aaaacagact aaagaagaaa aaaacaaaca 900
 aacaaaaaaa gaaaaacaca aaagaaacac ataaaaaaaa caaacacaa gaaaagaaga 960
 acaaaaaaaaa aacgagaaag accaaaagac aagagcaaaa aaagagacca caaaaagaag 1020
 aaacaacaaa aaaaagaaaa gaacaaaaaa aaaaaaaaaac acaagaaaaa aaacaaaaaa 1080
 caaaaagaaa aaaaagaaaa aaagaaaaca acaaaaaaaaa aaacaagaga aaaggaggaa 1140
 caaaaaaaaa aaaaaaaaaa caagaaacaa aaaaaaaaca aaaaaaaaat caaaaaccac 1200
 cgaaacaaga aacaaagcaa agaaaaaaag aaaaaggaaa caaaaaaaag gaagaaaaa 1259

<210> 13342
 <211> 671
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 13342
 gcggatcccc atccgaaatt tttttaacga cgacaccaag ttccatctca tagtccagcg 60
 cgcggggacgg cccatacacc accttcttag cgaccggatt gctgcggtcg tagaagtgcc 120
 cgcaggggtcg gggtattggt gtccctgaga cgacaaccgt cgacgcacgc cctgtgtatc 180
 caattgggaa atggaagaag cctggtgggg gagaagggtc gcttagaatt gcgcgtccgg 240
 cattctggac atggttgagc gaattggaga aatctggcct atgttagtac ttgtagctgt 300
 tatgtgaatt tatgaggttt ttggcgggta tatgcgtacc cgtaaaccac aatatctcca 360
 caggaagatg caatttgacc gtcgtaatat cagccttgga gttctctgga aggccattca 420
 ggccggattc gcccaaaaca gactgcagcg ttgcgcggac cgctgtgtgg acggacttcg 480
 gaagggccgc ataccattc aggggtggaat tcatgaagat tccattcggc agagaaatat 540
 cgccaaagaa gccggaattc tggagatcgc cgaggaagat gacggtgttg tggagccggg 600
 ttgcgcattg ttgaccgtgt gttggcgagg aggctacttc gaaggagat tcttgtggaa 660
 aatggcgagc a 671

<210> 13343
 <211> 176
 <212> DNA

<213> Aspergillus nidulans

<400> 13343

aacgaactcg acctggaaca aaccgacaac accgggaaat gaaaatacac aatctcatac 60
gaacattaaa ccgccacggg caagtacaaa cgcaagtatg taataacgaa gtagccaaac 120
aggaagtccg tcgtaccac cagcagctgc gagtatctac gtcggtggct cgacgg 176

<210> 13344

<211> 2820

<212> DNA

<213> Aspergillus nidulans

<400> 13344

cgcatccttt gcttgtggga atttcctcgc aacgattcgc ctgctgaaat agtcctcgc 60
gtgataatgc tcctctcact tttcgcctgc ttgggttggg cttcattcaa ggtcatcagc 120
ctagcgaaac ggtcgategc actgcacaag aacccgcct atatacttta ctccgacccg 180
acttgcttga acaagtgggg cttcctctat gtgcaatgc gagcaaccgc ttactacttt 240
gttattcccg tgctgggcta tctcctcgtc aagggcatgt tcatcggcct cagtcagccg 300
gtcctgtgg tgcaaaccgt cgctatgtg atcattgaag cggctatgtt gattgcagtt 360
agcgttctgc ggccgtggat ggacaagaag actaatatct acaatatttc cattgcggcg 420
gtccaatttt tgaacgccat cttccttctc ttcttttcca atgtcttcaa tcaaccagga 480
ctggtgaccg gagttatggg tgtcgtcttc tttgttatta atgcagttgc tgcgttggtt 540
ctgttgattt tgggtgctcat tggatctatc tatgcttttg cttccaagaa ccccgacacc 600
cgctatcagc ccatgaggga tgaccgtggc tccttcatca aatcacagac ccagctaaca 660
actgaactgg atgcattggg tgccaccgct cgcggcgaca tgaagacaac ccatacaag 720
gccaatcctt ttgatgatga aaatggatca tttccagcg gtaatggcgc cagcgttagc 780
cgtcagaatc ttgagccgaa cccactggg ttgcctaacc aggccoctca ttctcctgtt 840
gatccgtcgc taccattatt ccctagtgc aactccagcg cgcgaggacc tggtagtagc 900
gctgatacca ttcaacggtc acaatgcgg attcctcgaa gctttacctc gtcgccttat 960
cgaacacaga acaaccaaag cccgtggcaa agaggggcag gttatgacca ttaaaagagt 1020
ttcgcgcgtt ttttcttctt ttcccgcttt caaacgattg cttatattag ctttgcttaa 1080

agagatgaag ttatggccga gtacgggaag ggattgaccg ctcgacccgt gctttattca 1140
 tttttccggt catcggtgct cccacagcgc ccgtcttttt tctattttga atttgccac 1200
 ttacctatac tgtgatatac tggactctcc tttcctttcc tctcactacc tctctccgc 1260
 cctcctttgg ctcaccagga tttcctttac aattttctca cttttttatc ctccgttcta 1320
 cgtatactcg gcgttctaaa gcattggatc tggagatagg acttgggttt gcggtcattg 1380
 tgcgcttttt ttttttttgg caggggtcac ccgatgcgcc cgtttttgct cttgttcgaa 1440
 ttactgttat ggaagacata agtaaccata atgctattaa gctgcgtcga ttcgacgtta 1500
 gctaacaaaa ttagacctcc cctaattgta gagccctgag gtgccgttgt gaattgtata 1560
 tcatagtga ggtcgttgag tgtctctgga ttgacataaa tcgcctcgaa gttatggtaa 1620
 ttggcggtta tggttagaag ctttctatag catatatgct attctgccct gtctgaccgc 1680
 cttgtgatag catcgcatcg aatatcttca tcgaatctcc acatgcgacc caacgccatc 1740
 gccggtccgc aaacaggatc agaaacatct gagtcaacac tgggtattct agttgagggtg 1800
 cttggcgagt tattttgcta caaccagcc tgagctcgat tgctacaaat cagcagtgca 1860
 gctccggcgc tcaaagcttc agaatgccga aatatagggtg accctttttc ccctagcatc 1920
 tttcttcaac taacctttga ggcactcttt ttaggttat cctgcgtctt ctccctatg 1980
 tcaactcaca cacaatatct accggattcg acatgaaacc cgccgcaagt tccttgacta 2040
 acaccatacc tgatatacag gcgattactg cgatgtctac ctgacgcacg actcaatgag 2100
 cgtgcgcaag gcgcacaact ccggacgaaa ccacctaagg aacgttgtgg aatattatca 2160
 acgtatgtcg cctgacatgc caatactaata ctgtgggtggc ctgcaaactc aagctcaca 2220
 ctgcattgca gaaatcggac aggaaaaggc acaatcagtc atcgattcca ttacgtctc 2280
 atacgccgt gaagggcagg ctgtgccaaa ccagctatg gttcccccg gtgcttacc 2340
 gccttcgttt gggttcccag gtgcgtagtc tctttgaccg cgaaaacatg agaactaata 2400
 ctgataccct tcattaggcc aatttccttc ttcccaatt ggaaattctt cttctgggcc 2460
 aaggggtgcc gtcatgccaa cacttacgtt ttgggtcttt tggttttaaa ccaaact 2520
 aacctataa gccccggagc cgaaaccttc ctttccttca ccgtttccac gtcgttcggt 2580
 ccatggggaa accttcagag caggccggtg gttttaaat ctgttaaagg ttccaaattg 2640
 tttttcccg gttttggctc taccgggat tttttaatat ccgtaattta tttaactttt 2700

ttttcaaggg gttttttatt ttggctttta aaacttctgt aataccctc tttccgcttt 2760
 taatcttggg gtttcaaaac caccgttttc ccccccttgt ccttgtttta aaccctttt 2820

<210> 13345
 <211> 1179
 <212> DNA
 <213> Aspergillus nidulans

<400> 13345

gagttgcgtg actctcgtcc aagatctctc gagtacgtag tcggactgat taacagtgaa 60
 attagtagtc tccctccctc tccacctcca caccacagca catcgcttat ggacgaccgc 120
 tgttcctgac ccatgttacc tggttttggg tcaaaacatt tattggcgca cccattcttg 180
 attttgggcc acgactgcat tactactgcg agggctaaca atcctgtcag cgctcgcaga 240
 gaggctaatt tgagataccc tccctaagcg atgcccggat gatcgacttc cgacctttga 300
 cctctgacct cttcctccca gaagctgatg caagatgcaa ggggaatttc tcacaccgcg 360
 cgcagccatc tgttgacagt atagaatttc ggcaaggcct gaagacatcc atatgctggc 420
 catgagattt tagcgtcctt ttacccttgg ccagtgcggt tcggcggcgg ccggtcaggc 480
 ttggtttaat acttccgcat ccggccatgc ttgccacagc caacctccaa agttcggtcg 540
 gcggagccac actggcctct tgcttcattt cgctcgtgctc agaacgtgga taccttccag 600
 gatgtatggg gtgactgctg ctcgctcttct tagtagtggc tgtagtcccg cttgtcggtt 660
 tagctcccga gtccccctga agcgagagca gctcgacgag ggcaaagctt cgacctcacg 720
 ggccatttgt ttcgatcatc gtctgtgcat ttgagtttcg ctgatgccta tctcggttcc 780
 cggcatttcg cagctcgtg cagtggcaat ctctgtcagc ctccatttct cgtgtcatat 840
 cttaaagtcc cattcctccc gggtcaccga ggcatgcttg gctcgcatgg acaagaatca 900
 caaggccagt tgagcatgag tggacggatt tgggggtggaa gactcctgca ctgctattgg 960
 tgcgatgcgg ctcatgaag gggcccaccg ttcccttgat aagaactgac ctacttcgac 1020
 cttagccgcc gttgacggcg gttctggcta accgattggg acttcagggc tccaaaagcc 1080
 gttcaagtat tctcaaggtg caaaaaccac aataatgagc ctgaaaacca tgatatgaaa 1140
 gagagatgtg atttctcatg agataatact cggaatcgg 1179

<210> 13346

<211> 582
 <212> DNA
 <213> Aspergillus nidulans
 <400> 13346

gggcagccta ctacacgcgg gcggcgatga cttgcacatt ctactggatc acgacgacgc 60
 caatttcctgg gcaccgagaa gtggtgcgca ggcatgaaca cagaatgctg acgtcgacta 120
 cccgcatacg aaattataca tagagggaaa agcgctccta gagacacaag ggaatatgta 180
 catggaagca caccgaggcc atataccaaa ccgcttgctg gcgcacgata acagtcgagc 240
 cttgcactca gcggtctcat tctgttccac cttctatggc atacattgca taaagtatgc 300
 tattgctccg atgacagcca tggcttagga agaagagaat atgtgacggc ctaccgtgat 360
 cgggtaactg gaacgtgccg caagagaacg tcaaaaaatc ctgcataga actggattta 420
 ggcgtcttgg acagagtgcg aagaacactg aggagaggcg tgcggcgta tgcggatcat 480
 agaggtgatc aaggaacaat atgtgacaag aggtgattgg ctgtgcaagt agacttttag 540
 tacgttgctt acggagtaac cgatgatgat gtaccgctgc ca 582

<210> 13347
 <211> 1036
 <212> DNA
 <213> Aspergillus nidulans
 <400> 13347

cgatttaggt gacactatag aatactagga tcctacgcat atgtcgaata gcaactaatg 60
 gtctgcaatg actcagcacg atgattatgc ctctccaaa ggcgctgtgt cttgtaacgc 120
 agggacacaaa gctaaccag ctcgaggtct aaagacagca atgatcgaaa gccaagacaa 180
 agacaatggc gcgctgtctt gcctttccga tcctgatcga cgacggtaca gcgacgaatg 240
 gcctgacgga aggaggggaag ggtcgtctcg ctgaaagcta atgtgtggcg gtcactgtgt 300
 acaaagcaag ggccacagac cgaacaaaac actgactcga cgattcaaca cagcagcgac 360
 tgaaaggaac gatcgaggcg acgacaatgg gtcggccaat gcggggagag ggaggactgg 420
 aaggagacgt gcaagcaagt aaaagggaga aagaatgaag caagttggag gagacgggat 480
 gaggcgataa tatggaggag cctggaggag gaggggaaag ggactcgtcc agaagaacgc 540
 tgaacggcgc gccgacttag atcgctctgt tgccggccca ctctgttgct ctgtctctgg 600

agtcgctccg tccaaagatc tttcctttct tagtctacag ctcttttagcc aaaataatat 660
 cgcaatttat gatattaatc ctaccaggca gctaaatggt agcgccgccc caaactgttg 720
 atgatctgcc atcacacaaa cccgaccacc ttgacctgat tcgcagtcgg gaaatacggg 780
 gtaatcctgc cagtcttcat attattcagg ctgccttctt atttttattt tattttattt 840
 tattttttct tgccgtgatc atctgaagac atggcaaata gcactactgt aaggccgcac 900
 accgtgcaga gttggaggac aagcagagct gcacttgcag caggttggca acaggggttc 960
 gagtcagtga tagtctagag cattaatgcg cggctcttatt actatccagc taattagtgc 1020
 ttcttagtgc tatgga 1036

<210> 13348
 <211> 783
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 13348
 gcggccgtag tgcttttccg tcccacttcc cttacgggca tctcctgaaa agagtaagaa 60
 gtcagcttta aagacgtaga agcgactcga tcgcatatac ttagacgcaa gagaggagca 120
 cgaggccaat aatgaatggc ttggctatat ggtctggagc aggaattgtc cccgctcgat 180
 cgatctcttc atgtgagaaa gcagcagatc tgagatggta caagtacacg tgataaacga 240
 gtactggaat tcttctcctt cccgcgcgat cgagaaccca gaatccagaa tcgtggactg 300
 tttatgcccc tgggcgggtg aaattaaata aggatgcgga ttcttctaatt tgcgcccga 360
 gatcattatt cgttgataac ggctgggtca gtttccagcc cacgctctgt ccatttttat 420
 acattgacct aactgacatc agctgcagta tggatacgtc acgcacatgt tccagtttct 480
 gaaacctggc cagtttctgt gaaattgatg cagcgcgag ctgatttgtg aggtgtcgct 540
 caaaaggctg accaatattt ggccgcagat ggctgttgaa gttgtcccaa gatcatggga 600
 acgcgatctg ccgtgactgc cagctgcata attggctcct tgagccctcg aagttctagg 660
 cttgtcgcgg ccgggcagaa aggctgctgg gactagctgc tcgctaggct caacgcagta 720
 aaggcactga attagtttgt gatagttcat tccaaggcc aagtgaaatg atgttccag 780
 tgc 783

<210> 13349

<211> 1517
<212> DNA
<213> Aspergillus nidulans

<223> unsure at all n locations
<400> 13349

aaaaataaa aaagaaaaga acaaaaataa acaataatat aaaaacaaaa aaaataataa 60
aaaaaaaaata aaaaaaaaaa gaaaaaacaa aataaaaataa tataaaaaaa aaaaaaaggg 120
gcgaatgatg gaacacacan aanntatatt anaaaagaaa aacnacaag aaaaagaana 180
aagaaaaaaa aaaaaacaaa aacaaaaaaa ctacaaaaaa aaaaactttt atttataaaa 240
aagaaaagaa aaaaaataca aataaaaaaa agaggaagaa aaaaaaaaaa taaaaaaaag 300
aataaaaaaa aaaaaaaaaa aaaaaagaaa acaagaaaaa aaaaaaaaaa aagatgaaaa 360
aaaaaaaaata ataaaaataa acaaaaaaag aaaaaaaaat aaaataataa cataaataaa 420
aaaataaaag aaaaaaaaaa aaaaaaaaat tataaataaa aataaaaata acaaaataaa 480
agataaagaa aaaataataa aagagaaaaa gtaaattaaa aaaaagaaat aaaaaaaaaa 540
gtaaaaaaaa aagaaaaaaa attaaataaa gaaagaataa aaaaaaaaaa gaaaaaagaa 600
aataataata aaaaaagtaa aagaaaaaat aaagaataaa ctaaaaaata aaaaataaat 660
ataaagacaa gataaataaa taaaaaaaaa aataaaaaat aataaaaaaa aaggaaaaaa 720
aaaagaaaaa taaaagttaa aaataaaaaa taaaaaaaga gaaaagaaaa aagaaaaaaa 780
aaaaaataaa agattaaaaa aaaagaatcg aaaaaaaaaa aaagagaaga aaaaaaatta 840
aaaagaaaaa aaaagataaa ataaaaagaa aaaacaaata ataaaaaaa caaaaaataa 900
aaatatagaa aaaaaaaata aacaaataat aaaaaatata aaaaataaaa caaaacaaag 960
aagagaaaaa aaataaaaaa taaaacaaaa tgaacaaaa atagaacaat aaaatataaa 1020
aggaaaagaa atcaaaacaa aaaaataaaa aaaaaaatgt acaataaaaa agaaaaaaa 1080
atgatacaaa gacaaaagaa taattaaata aacagaaaag aaaaaataaa aaataagaaa 1140
aaaaaaaaaa ggatcacaaa aaaaagaaaa aaagaaataa aaaaaataa aaaaaaagg 1200
tagataagaa aaaataagaa aatcaataaa ataaagatcc agagaaaaaa tataacaata 1260
aaaatgataa caaaaaaaaaa aaaaataaat agaataaaaa aaataatgag aaaataaaat 1320
aaataaaaaa aaaaaataga aaaaaaaaaa agataaacaa aatgaaaaag aaataaaaaa 1380
aaaataaaaa gagaaagaaa ataataaaaa aagtaaaaaa caaaaaacaa atataaaaag 1440

aaaataagag ataataaaaa cataaaataa aaaaagaata aaataaaaaa aaataacaata 1500
agagataata aaaaaaa 1517

<210> 13350
<211> 554
<212> DNA
<213> *Aspergillus nidulans*

<400> 13350

ctactcgggc tgtcgcctgga gtcggtggcc gttgcctcgg tgttgctcga gtcgcccgtc 60
gcggtgctag tctcagaagt cactgcggtt gaggtggtag tagtggtcga agtggtggtg 120
gaagcagaag cattgaggct tccacagctg ttcaaaccct ccttgcacac ctgctcgcca 180
tcctgggtag tcgattgctg gatgcactgc gcgtactctt cctggcagac aaagaaagga 240
atcgtgccct gatagagtcc tacattggcg tcggtgccgt tggagcaagt gcaggtgaaa 300
tcaaggggtg cctacagagt aaaatttagc gaggggataa ctttaccgag gatttttagat 360
tcggacctga tcacagcggg tgtcagtggc aacaccaccg catatcttgg gacagttggt 420
gcgcttcgcg agacaccaag ttgctacaga aattagcagg tttccttgac agccgacgaa 480
gaattatgct ataccctctg gtggttgagt cgaccctgtt cagatcaaag cccgcgggga 540
gggttcaatt ggat 554

<210> 13351
<211> 118
<212> DNA
<213> *Aspergillus nidulans*

<400> 13351

acgaacgttc ttgagcttgc cgaactgttt aagcaatccg gcgagaggag cgcagaggaa 60
tggaagaagg aggatgtctc gcggagtaag gcgcagacga ggagcatcaa gagcaatc 118

<210> 13352
<211> 898
<212> DNA
<213> *Aspergillus nidulans*

<400> 13352

tcagggtcgt ccaagcaccg ctacaatata tagcacatgc tggcctggta ggcgtgcaact 60

gtggataact ctgtaaaatt ctctgcagga aggtggtaag acagcatata acttggctgg 120
cctgccagac tggtttccgt gcctcagga tagagcacca cctgtccac tgcggaaga 180
cagcttggc tcatgcaggc ccttggcggc ccacaagtac ctctattgct cgcattggctt 240
caaattggtgc atcgaacgca gctcggctgt caggttgctg cccagatggt gtggtagggt 300
atttgcccca tttatatgaa tttacatgga gccttctaag gggtttgga gggcccttt 360
tcagcttctt tctttttggc cgttgga cttttgcaa ttggttcaa gaaattgccg 420
gtcattgctt cctgggacct tgggtgattt taatctttg ctgctttgca gatccctga 480
tggtttgttc caattaacgg ggacccttg ggaattcttt ccgttggtgc ttaattacc 540
tggtttgttc aaggagccaa ggatttttgg gcaccgtaca accttgctcc cacaatttac 600
aatttgccgg gttttgaagt ggctttccca aaggtgggtt tcgccaaaat attgccttcc 660
agaacaattt tcccgttg aatatttggc cgcatttttc cccctggatg tgaaagggtt 720
tgttctctaa cccctccagt ttttgttttc acatactata tgtccggccc tagttaattt 780
ccttatttca ggttaaaggc cccggggccc taatagtttt ttctcaattt tttccgaaac 840
cccctcgtaa tttcagcggg ggaccctt ggattgatgg gcccttagg tcttctgg 898

<210> 13353
<211> 1407
<212> DNA
<213> *Aspergillus nidulans*
<223> unsure at all n locations
<400> 13353

aagaataaaa tagaaagcaa aatataaagt aaaaagaaaa aagaaaaata aaaagaaaaa 60
cgctacaaaa aaaaaaaaaa aaaagaaaaa ggaaaaaac tacacataag cagaggggaa 120
acaaatttgt acnacaaana aanaatttaa aggaaaaaaa taccaaagaa aaagaataaa 180
aagaaaaata caaaaggaaa aaattaaaaa aaaaaataat tatataaaaa aaaaggacaa 240
aaaagaaagg aaaaaagca agaggggaaa aataagagag aaaaaacaa aaaagagga 300
acataacaa aaaaaacaa taaagacaaa taataaaaaa aaaaatagaa ggaaagaaaa 360
aaaaaaaaaa gagaaacaag aaagaaaaa agaagaaaga aaaaagata aaaagagaag 420
aaaacaaaaa aaaaagaagg aaaagacaaa aagaagaga aaaaacaaaa aggaaaaaaa 480

aagaaaaaaaa agaagagaaa aaagaaaatg aaaaataaca acgaacaaaa caaaataaga 540
aagaaaaaaaa agagagaaaag aaagaaaaag aagagaatgg aaaaaaagaa aaagaaaaaa 600
gatagaaaaa aaggaaagaa aaaaaacaaa agaaagaaaa gaagagaaaa gaataaaaca 660
gaaaatagaa cgaaaaaaag aaaagaaaaa agaaacagaa gtagataaag ataagaaaaa 720
aaaataaaat gaataaaaaa acaaaaagaa cacacaagtg aaacaaaaga tcaaagagaa 780
ggagaagaaa aagaaaaaaa atagaggata gaaaaaaaaa aaagaacaaa aaagaaaaca 840
agaaaagaaa acaaagaaga aaaaaaaaaac acacaagaaa gaataaaca aagaagaaaag 900
gaagaagaac gaaaaaaaaac aaagaaaagg aaaaaaaaaa aacgagaaga aagcaaaaaa 960
gaaatgaaaa aaaaaaaaaag gaaaaacaaa gaaaaaaaaa agaaaacaaa aaaacaaaaa 1020
gaaaatagag aataaaaaaa aaataaacca agaagaggaa aaaaaaaaaac aaaaaacaaa 1080
gagcaacaga aaaaaacaaa acgagaggaa agaaaaacta caaagaaaga gaaaagaaaa 1140
aaaaaaagga gaaaaaaaga gaaagaaaaa cgataaaata aaaaaaaga ataaataaaa 1200
actaaaagta catgaaataa aaaaataaaa aaaaaacaa agagacgaaa ggagagagga 1260
aacataaaa aacaaagaaa agaagaaaga aaaagaaaag aaaaaaaaat aaaaaaaaaa 1320
gaaaaaagat aaaaaaaaaa gagaaaaaag aaagaaagag agaacagaga aaaagaaaat 1380
aataacaagt gaaacaaaaa taagaaa 1407

<210> 13354
<211> 692
<212> DNA
<213> Aspergillus nidulans

<400> 13354

agcagcgagt gccttatctt gctcgtcccg agattcatat acacacgaat aatagaggaa 60
atgaaagtga atcgggccca tgctacttgc aatatcactt acaaaaacct caaagaatga 120
gacgcgacag gacgaacatc tcaccatgca gtgcaagaga taaaccgctg ttcgtagagt 180
acattttgga aatggcagtt cggctcataa ctgaggcaat gggatatcaa cagctatttc 240
gttatgctgc cagcaagctg accatgcgca gagcctgccg tatacgtctt cctggaagga 300
gcagatccaa gcaccatgga ttatgatagg aaagcatctg catggcaact ttctctaaac 360
tctaggtggc atcgagtggg ggagttgatt ttgagtagct ggaggactct ggttcttaga 420

ttgggaactg accttgctct caagcagttt gaggtagata cataattggg tgatctgac 480
 ggcactacct tatcgtaagc tttacttgct acttatctgg tttacttttag aaacgccatt 540
 ccaaaagcaa gccgaacgag aaccctaccc acaaatttcg ataggacaaa aacaacctgc 600
 agaagcgacg ggcatccgct aagcctatct accgaattac ttgctcttca tagattatat 660
 aacgatccct atagtgagtc gtattatcgg cg 692

<210> 13355
 <211> 554
 <212> DNA
 <213> Aspergillus nidulans
 <223> unsure at all n locations
 <400> 13355

ctattttttt tgtttannnt cttctttttt tttttttttt tttctttttt ctttcaactt 60
 tctttttttt tttctgtat cttttttttt ttttaatctc ttttatcctt ttcttttttt 120
 attttgtttt ttttaactcat tcttctntt ttttttttct ttttctntat ctttttttct 180
 tttctttttt ncttttcanc tttttctttt ctttttttatt ttctttttcn nctgttttca 240
 ttttttcccn nnttggtttt tattttttnn tttttttttt tttgtattct ttttggtttt 300
 ttntttttat tcttttttat tgtttttttt tttttttttt tttttctttt tttttttttt 360
 ntttttttat tatcttctgt ttttttcatc ttttttttct cttttttttt tttctttttt 420
 ttttttttct ttttttnatt cttctttttt tttanatttt tttcttttnt ttcttttttt 480
 ttcttttttn tctttctttt tttcnatttt tttttttttt tttttctttt ttttttnttt 540
 tttttcaatt tttt 554

<210> 13356
 <211> 111
 <212> DNA
 <213> Aspergillus nidulans
 <400> 13356

aaaaaggcag caaataaaca caaaagcaaa aaaaagcaaa aaaaaaaaaa aaaaaaaaaa 60
 gataaaaaaaaa aaaaaaacac aaaaaaggta aaagacaaaa aaaacgaaaa a 111

<210> 13357
 <211> 644

<212> DNA
<213> Aspergillus nidulans

<400> 13357

tctcaggaca atcttaggtt ggctaagcag tctgctgcag acttgccccg actgcggaca 60
gccaacagca gcactgggtt aaccggaggg ttctccgagc ttagcatgtg atgtcagatg 120
ccggccacgg tccagcaatc acattcagca ccacactact gttaggctgt caggctgtct 180
catcaatgat gtttgcttta gtgacagga tggcctgact gctgatcaat caattgactg 240
cattaggtgg ctttgggcat ttttccgagc ggtcctagaa tcctgggcat cctgggctga 300
tgtactccgt agaggaatag ttatacagag aaccgggctt gatgattaac gaccgtcagg 360
ccgggggtact tttgaaagag gtttctgtta taaaaagtag agtcaaccca gctcggactg 420
gactttcctt tacatcagat actattctcg tctttgcttc tcatgtgcta atctccttgg 480
ctgtcccttg gcccggttc ccgtacggat agaaaattca cgggaaagct ctcgagtggg 540
atcagcgact ccattcttgc ctaaccataa tccggccacc aggccttcgtt acagcgacct 600
ccatgtaatt ctccattgac gacccttcag tttcatcatt acat 644

<210> 13358
<211> 1074
<212> DNA
<213> Aspergillus nidulans

<400> 13358

gctatcgaat aaacactact ataggagagc ccaagcttag gatctgcgga aacgccgttt 60
cctctggtat tacgattcat acgtgcagct catccagagc gaatcagcga aagagaccat 120
cacaccaag ctcccgttcc accgaatgcc ctttgaaagc catggcaata ccatggacgg 180
tcattttgac taccagagc tccagcaacg actaatgtac cttaaaggca agatcatgga 240
cgaaaccaag aactggcagg cacaggggct agaagccaaa aagaacgaac taggcacgc 300
agtcaacctc cagaggcagt acgagcaaat cgttgaaacc ctgaaaaacc aaaaaacta 360
ctcgattgat ttgactcttg tcaacggtaa cccctttctc tggaagctca cgtactttgg 420
ccgccaacc acacccttg agggcgcat tatcaagatc cgtatccacc tgagtcctcg 480
atttcccgaa gaacagcccc gtattttcgt cgagacgcgc ctcttccacg tccgggtgtc 540
aaaggagggc gtctatgct attttccccg aagaatcgag gagatgcgtc aacacgttga 600

agcgatcggt gccgtgttag aggagcaaga gcccccttat gatccgcgca caacgggtcaa 660
 tattgaagca gcgaaactgt tctgggggttc accagaggac cgtaagaagt acaaaaggac 720
 gctgcggagg gatgtggaga ggtctgttga gtaagtcacc tacctagcct attagcggat 780
 atatatgagt tatcatattg atgttggttg catcgcacag ggatgctttt gagtaaatac 840
 caacctttat gccttggtat ggagattcaa atcggtcagg ccggcgtaag attgggtgcc 900
 tgtccataaa acaatggaag aagaacacca agaagaacaa ggatgcctgc aaggatgacg 960
 ctactgcgct ctttcaacta aaccctctat cactgttttt ccgcgcaaca cggtctttat 1020
 gtcattgctg attccttgac gactgggata ctgtgaagtg tgccggggcg tacc 1074

<210> 13359
 <211> 1154
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 13359

atccgcggcc gcaattaacc ctactaaag ggatcggaaa agggttgcaa cgaaaggaga 60
 gaatggtata atagaagaag tcatgatata gggcgattct ttacttttac cagttacgta 120
 caatactcaa tgcaccagtt tcatctccag ccagctccca actgaagaga taaatgcaga 180
 ccagttattg tggttagggc agacgcatag ccaggcgctg gccttgccaa gcgtcttgcg 240
 tcttgattct atgtctacgg cccgacaaaa gatgataacg cggccacgac tagaagcggt 300
 ttaggatctt gaaacgcaac ggtatagctt cagcatctgg ctgagttcta ttgactctaa 360
 tgaggatgtg gccatagtcg aaataagaac ctcgtaaac gtttcccgca ttcttctaca 420
 tcattccaag aaaagaaaat agtcaaaaaa gtggaaactt tggaaacatg taggtttatc 480
 atgcttctga gaagagggtg ggcgtctctt tcatagatgg tgactgcatg cttcctaaaa 540
 ggagttcctt gaatccaaca aatccaaatg ctccagctgc acccgattgt atctattctg 600
 gcgagacaca ccattgcgcc gttgtagcaa tatgagaaaa ttcaccggct ctgagaagga 660
 aaggacgaca gtgttctaag ctggtgtggg cgctcgattg acaaccgcca tggagccagg 720
 gtggcctgga ggtcacacta taatggggca gggggggcac aagatttgag ggaccgggta 780
 gcgggtatta tgggtagagc tggggactcc tcaaagtccc gtttttatag gtttttctc 840
 ccaccgggag ggcacttgga cagggacccc tactgggaag gcaattaagg ggggggggtt 900

tttaaaaccc caccaccgc tggttggtgc ttcagatctt tccccccccc ctcccaaaaa 960
 aacacgaaaa aatcccttgg aaataattgg cggcctcaca cccgtggggg gctccacact 1020
 cttggtaggg gtggggaaat aaacggaggg ggggggaggg gtgaataaaa acaataccac 1080
 tatttttctt tgtttttaag agccctcccc ttgtttttct gcctgccata aggggggggg 1140
 gccccctccc cccc 1154

<210> 13360
 <211> 505
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 13360

gaaacagctt ccttatttgc actagatggt gcacactgta ggatgaagag ctctgtgcaga 60
 gattattgct accagatagt tatcgctatc tggattcaca ctatgtgtaa acaactatgt 120
 acaattttgc gctgtccact ttcttagata cagaatggcg gggcgagcat cgccagtgcc 180
 atccccaggc ggaccggaca gagcccacgc gcagagcccc ggccccgaca tatggcgacc 240
 gtggcggaata tccttgccgg gctgggggtc ttcttttcat gagtaatgga tctttccatc 300
 aatattccat gggatgacat tcggggagtc catgcccgct ccagctggcc attggtgacg 360
 tgcaagctag cagcttgtcc cggagataac cggctcttaa atcacgagtt tcccggatac 420
 ttgcatacat gcatacacgc tgtttgctct ccttctctac tgatttgccc tctctatctt 480
 attctcatg ttgtctgcta tcttc 505

<210> 13361
 <211> 552
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 13361

cgttcttgat gtcgacgac acggtcgacg gctgcacgc gtccactcgc tcgcggtccc 60
 ggtcacgac acgatctcgc tctcggtgcc gctcgcggtc gcggcgggca cccgtcgagg 120
 cggaccgttt gatgtgcacg tcttcgtaga gagtgccgtg cgggcttaaa taggcgttgc 180
 tgtgactagg cccatagcga ctgcgggaaa tggatcgtct cctaacatgc ctacgggctc 240
 cctccatcat agagtagtct gactctgaga agtcgtcttc cgagtcggtg agctgggtgc 300

ggtgggcgta tgggggcatt ttgctctgaa gagtaaccac tgggtattta aagactccga 360
 cgacaaatga taaatataag ttttgtggca gatggaacac gagagctaag gcaaggtaag 420
 aacagtcaga gagcagatac aagagcgatc gagggggccaa aatggcagac gagggacagt 480
 gcggctgaac tgccaggcac cagtgaccag tcaaatagat gaatgtcaca ggagatgaaa 540
 caggcgatga ga 552

<210> 13362
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 13362

tggcctagtg tgctgtttga gcatacccat taagggttgg ccttgacgaa gtcaataccc 60
 ttctggatgt tcttcttcag gtcaacgagg caggcctcaa ggagcttctg ctggaattcg 120
 ttaacctcgc caacgggggtt gatcttctca gcaccgttgg ggccaagctc aaccttgga 180
 gcgaagaagt tgacgccctg gtcctttag agagggctct cgacgaaagt gggctcaacg 240
 acacccttct cgccctgggc agcgcgagg agagactcgg cgaagcgagc accggccatg 300
 gccatggaga gagtggcgga gccagcaccg tccttagcct tgacaacctc gtcaccacca 360
 aactggatgc ggtggacaag ctcatcgagg gtcttgccat caatgttggg gtgggtggac 420
 tgggaaagca ggggaacgat ggtcacgcca gagtgtccac cgacaacggg aacggcctcc 480
 ttagaggggt cggtagcctg gacctgagag atgaagcggg aagcacggac gacatcaagg 540
 gtggtgacac caaagaggcg cttgggggtt tagacgccag cggccttgaa gacctcagag 600
 acgatgggga cgggtggagt gacctggaag aatcagcacg agttccatgt ctccgagttc 660
 cgatgacgca tacagggtta gaaatgacga ggatgttagc ctcgggggaa gccttggcag 720
 cggccttagc aaggtcgca acgatggaag cgttgggtgt gaagaggtct gtcataaaaa 780
 gatcagtgcc tattcgtaga ttttcacagt catcctcctt accgtcacgg gtcattgccg 840
 gcttacgggg 850

<210> 13363
 <211> 1036
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 13363

ttactaggag attagacagg ctatctgata tattaaaact tatattttcc cgggtaacc 60
acctagttta cagttttgat ccgtttgggc attcacttgg aatcgtaag tacataggcc 120
accacagggg ttaaacacca acctctaac tttgatgcaa cctgctcaca atttctatat 180
tgccgttttt atatctttgc tgatactatt ccatgtctta ctaggaaatt aattacagtg 240
acgggtgctta ttcagctttg acttctactt caggtaaagc acgcattaac ctactttacc 300
gtccactgat agatccctt aacttcgtca ttcctcagga actggcatat gtttttggat 360
catgactatg cttatacacg tactctacct ttggctgcat tggctctact ttatagcgtt 420
cactgagtca tctttacatg atagtaccaa ctcttactct cacaacacaa gtccctcttc 480
actaaaatct tgtttcaa atcgtctttt tgcgtgtttt cgctccaccc tatacctagg 540
ctttttccag aaactcggac ttcttcccc cgcatgcaag tttctcagag atctgttcac 600
gttactctga tatgcgattt gacctcttat ataatactgg tctccatcct ggtcctattc 660
tcgtgtacta caaaattcta ttacaaatct catggattac actaatcctt cttttctatt 720
tatcacattt aatatcgtct tctgccttct ctaattctca atcttctctc ttacttttat 780
taacctctta ctattataca taattagaat ctttttgcgc ttccttcaga tatcatccta 840
ttttactaac tactcgtgtt ttatactctg tcgcttatat ctctcccgcc tctcctatga 900
aaatttaact tgctttttgt aactcgttat atcttcacta tttactcttc caaatcctat 960
attcaatctt atctgtctct ctatattcgc tcattcctta tcatattgtt cgtctccaat 1020
tactcatcta cctatt 1036

<210> 13364

<211> 1050

<212> DNA

<213> *Aspergillus nidulans*

<223> unsure at all n locations

<400> 13364

aaaaaaaaa aatgaaatta aactaaaaaa caaagccctt ccccaaann aaaaagaaan 60
nnnnnatttg ggagtttaaa aaaaaaaaac cgcccgttcc ccaccaacag aacaaaaaaa 120
aaaaaaaaag cacaaaaaag aaaaaaaaca aaagagagag aagcaaaca agcaaaagac 180

gcaggaaaag aaaaaaaaaa agcaaaaaaa caaaagaaac aaacataaaa caaaacaaca 240
 aaaaaaaaaa aaggaaaaaac aaaacgaaaa aaaacaaaaac aaacaaaaaca acagaaaaaca 300
 cacaaaaaaa aggaaaaaaa aacaaaaaaa aaaacagcaa aaaaagaagc aaaagaaaaa 360
 gaaggtagaa aaaaaaaaca accacagaag taccaagaac aaaaacacac aaaaaaaaag 420
 aacaaaaaaa aaaaccacaa caaaaaaaa aaataaaaagc gaaaaaaa aaacaaactc 480
 aaaaaaaca ccaacgaaaa aaaagaccca caaaaaaaca cgaaaaaaac aaaaaagaa 540
 aacacaaaaa aaagccaaga caaaaaaaa aaacaacaag actaaaaaca aaaaagagcg 600
 agaaaaaac aaaacaaaaa aaaaaaaa aaaggaaaaa aaaaacaaac aacaagagc 660
 aaaaaaaca aaaaacccaa caactaacgc acaaaaacca aaaaaaaaag aaaagaaaac 720
 aagcaaaaca aaaaaaaca aaaaaaaa acagacaaca caaaaaaaa aaaaagcaaa 780
 aaccaaaaga aaccaaaaac aagagaaaca gacaaaaaa aaacaaagaa acaaaacacc 840
 aaaaaaaca aaaaacaaca cgaaaagac caataaaaa agaaaaaaca aaacaagaaa 900
 accaaaaata agaacaagac aaacgaaaaa aacaaacgaa agacacacaa aaaaaaaaaa 960
 accgggaaag gaacagaaaa aaacaaaagc cccacatgaa gaagagaaaa caaacacgaa 1020
 caaacaaccg acaagaaaa gaaaaaaa 1050

<210> 13365
 <211> 782
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 13365

gaaaagtgcc aaatttacgc tgcattgaat gtgccttgat tgcaacataa gattccacaa 60
 gaatccaaat agaggacata aattgccggc agtctgcctg catataatca aattatcgta 120
 tggcaatgag aacagaactg tgtctcgtag actcagctgc aagagccatt cagtcaagag 180
 cgcaccatcc ctacagcag tcaccgtacc caaccgcgtt gacagtgcgt gtacgattcc 240
 tggcagcatg tcaataagca cttcgtaatc ataaagggtt ggatatgaca gatcaaataa 300
 taagagtaga catggagatt ggcgtaagct gttgtaattg ttactcgaac atttaaggca 360
 gtttgacaga ttacctggtc tcaatagctg tacgcctaac caatgcattg cccgcttact 420
 catagttcat aatccacagc ttgcccagat cgtgggttagg ttcctcgtgc catcgttatc 480

attcatcacc cacaagagaa aaatccagtc ggtaaagatg ctaggctagg ccagcccatc 540
 ccgcaaaagc cgccttagcc ctaggtaact cggcccttca aaatatgttt cgctgctatt 600
 acgtctattg ccagtccttg ctgactgtcg ggaccagatg caaatgggtca gtcggcagtt 660
 gcaaaagaca gatggccgaa taggaaacgt tcatggcttc cagattgggc cctgattctg 720
 gtatgctgcc cgaataactg cctgattcta tggcatgaag ctggataaac aggtcttgta 780
 gt 782

<210> 13366
 <211> 506
 <212> DNA
 <213> Aspergillus nidulans

<400> 13366

caagttcgca aggtgctggg atcatctcgg gcccttactc tggcggagaa gattctgtac 60
 tctcatcttg acaatgcgga ggagtcactt ttgactggta cgaacaatgg acgcgacatc 120
 cgcggcaagg cggatctgaa gctgaagcct gaccgcgttg cgatgcagga tgcgtctgca 180
 caaatggcct tgttgcagtt catgtcttgc ggcttgccgt cgaccgcagt tccggccagt 240
 attcactgtg accatatgat tgtgggtgag cgcggtgccg acaccgatct gccagcgtcg 300
 atccaaggaa acaaggaggt gttcgatttc ttggagagcg cttcaaagag atacggaatt 360
 gagttctggc ctcccgggtgc tggatcatc caccagagcg tcttggagaa ctattccgcc 420
 cctggtctta tgatgctggg aacggatagt catacaccta acgccggtgc gctgggtgcc 480
 attgccatcg gtgtcgggtg cgctga 506

<210> 13367
 <211> 659
 <212> DNA
 <213> Aspergillus nidulans

<400> 13367

agatttgtat agtccactga tatagtgcac tgaaaagcag ttccttcccc tgctccactc 60
 ggctgtcgat ttttgtacca tgcttaccg ctgatgtagg agatgggcca ggcggaact 120
 ggtgttcccg agcatgacct ttctagcgca caaccactac agctaccaca tatccacctc 180
 catattctga gtgcattaca cgctgaaccc gaaagccgtg tacatgcagc acataaatga 240

gcgagagccg gcgaccaa at gcgcgggcgc ggacatgcct gctccccga atcatgacgg 300
tgctactggc gtgtgccta tgtatcgaac gatcctgtgc cttaccgctc cgaaagggtg 360
agctttgcta ccaatctata agttttttgg ggacaggggtt atccccgggg cgtttatacc 420
cgccccgggg tccccacctc ctgtcttatg ccattaagcc tgcaagacgg actggcagag 480
caatatcgag cccaatgacg ctgcttggtg aacttttcgt tcagggaccg ctggattttc 540
cccgacttgg catagcaacc ccggtgatct ggggtgcatac ttctgtgacc tgggaacgcg 600
cttttagagt cagtttttca atcgggcaac ctttcagaag agttaaaaac ctctagccc 659

<210> 13368
<211> 522
<212> DNA
<213> *Aspergillus nidulans*

<400> 13368
tacctccaac gagagaagtt cccagagcaa gagccagcgc catcatcagt tgagatccaa 60
taccgaagtg tccttaaatt gacatttata ctcataagtc tgaacctgtc tgtgttcctt 120
gtcggctctg ataacacat tctctccagc gctattccca aaatcaccga ccgattccac 180
gctctaggcg atgtcggctg gtacgccagt gcttaccttc tcacaaactg cgctttcag 240
cttttctggg gcaagctata cacattctac accgtgaaat ggggtctacct tgtggctttg 300
tttctgttcg agcttggtc gttggtttgt gccgttgcg cttcttcaac ggccttgatt 360
ggcggaggcg ggcagtggct ggtgttggtg ctgggggcgt gacgaacggc tcgttcctgc 420
tcattgccac tcagtagagc gcgaagacgc caacgttttg tggactgctg ggtctatgat 480
gggcttgccg cgttgcggac cactatgggg gggctttacg at 522

<210> 13369
<211> 829
<212> DNA
<213> *Aspergillus nidulans*

<400> 13369
acctcttcc taagatgtca atgcgatcag actataaaaa cttaggggtga caatgttcat 60
taaaaaatag tgcaaatag taatagtgtc tctgatacta ccgttctacg acgtcaagtc 120
gcctcaccaa tagctgtctt agattcgggtg cgggagagca aggcagatta tctcattttt 180

agtgcttggg tttaatctca atctttcaac cagaattagg atgattatta tgtctcgtac 240
 acaacgtgtc caacttcaac aataagacta acctaattgt aagtattacc tgcataatcgc 300
 cgtgctgggtt ttctgcctcg ccctcgaacc tcgctgggtg gaatcgcgac ttgcttacat 360
 tatctgactc tcgagatccg cgcctccagc cgactccac atcatcccc gatcgccctc 420
 tgctaccctt tttagcgtcg gctcgtcgct ctctcacgcc ttcttgctcc gcaatctgta 480
 tcctgtcacc cctcacccca ttcgaccggc cctggcgaga cgtagctctt ccacagctgg 540
 acttcgctcg cagctcttct ccgtcctctc cctagtctca tcacctgcgc cgcaaccctg 600
 caccctcgtc tcggcagcct gcagtcgctg ctacagacct cgctcgatcc ctaatcctcc 660
 ccgtattcct gtccctgaga ctctaccatc ggttcgata cccccgcag gcatcatcag 720
 ttcttacgac gctgccgttg ctcatctgc gtcggtcatt gccctcctc gcgtgtatac 780
 ctcccagcga tcctctcggg ctgtgaaagt agccggtttc ccgacgaac 829

<210> 13370
 <211> 827
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 13370

tctatgctat gagatgacga gcgtttcgtc cctggcttta gcggtcgatg ctgagagaca 60
 cccagcatc agattcgcaa gcaaccggaa aggaaggggc catcacagtt tcaataactg 120
 gttcgatcgc agcaaccgtt ccattgaca aggtggcgtc cgattgggat gaaaccccg 180
 aggattgaag gctgaaccgc gttctccgtc tctctttgta ccctgcaaag cgaaaaccag 240
 caaaaagaga gccaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 300
 agacggcata aatataatga gagagaaaga aaagagaaag caaagaaaag aaaccaggc 360
 tggaccacga gtctgctggt ccggtcgatt gaggggtcaa tgacagcccc ttcagggaaa 420
 tttccacaca gattggatcc gttctcagga gcaggaactg tttcactcac ccaacgaacg 480
 cctcatgggc ccggctatct tcgtaatgtg atggcggtcc agcttcaaca cgagctatgg 540
 gcagagtggg ccggtctgtg acgatccaga tctatgaata tataagaatc ggcgaacacc 600
 attggttaat tctgtctata gtggactgga tgtcccggtt ctttttccga gtcggatttc 660
 cagacactca ataaggccat tgcgtaaagc ccattctggt atagagaacg gggttagtgg 720

gtgtgactgc cagtccgggt tctgtgctgc acctgccctc tgcctatgc caccatggct 780
 cttgctcatt tcatacagcg caatgtttac ctgcgcatcc agtattc 827

<210> 13371
 <211> 458
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 13371

gtctacgacg gacttttggg ccggtgcccg cgggagcagg acatcaaggt agtcatgaac 60
 gcgggtgctgg ttcttttcta tacgctctgg ttacgacatc aggggggtctt ttgcatgcga 120
 gccgcacgac aagcccagct ggggttcagt atcaaaaaaa tgcattgcgac actcacctta 180
 cacatgcagc tcaccactag ggcccgtgat caatcaccag tcacggtact cccgcaaggc 240
 acatgattac caacgctctt agctgtatac tgacgtgcgt taccctctgt tgcaagcgac 300
 gcataagcgc tcgcccgcga ggagttatcg acagtgttag cccgacctgc aactgtgggg 360
 cctccacaac catgagcggg cggatttgtc ggccatgggt gggcagggca tgagtgttga 420
 gggcgcaactt ctggtgaatt ggacgaccat gcatgtgc 458

<210> 13372
 <211> 716
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 13372

ggcgttacga tatttgtcgt tgctatttt cgggactaga ggcgttattg acaattcaaa 60
 atcaaatttt taggaatctt tcagtacatc cattacgtag aatctagttg cttagccctt 120
 gacatttaac ctcatccaca tcccaacatg ttcaattccc tctcaaccc acctccccag 180
 actttcatcc gtaacgaagc ccagtcgctc gtaaaacttc tccacatcaa cttgogcatg 240
 gaccagagtc aaacccttcc acagcggagc ttttgaagga tccccccctt cccgcttata 300
 gatctccaaa aacgactcat taatgtcccc agcattctcc tctgcccacg ccattgccgt 360
 ctccatcaac cgctcgcga gccacaccc cggatagcag gccaaaaccg caaccggccc 420
 gaacttgata tagggctcgt gctctaagtc ataccatcc gctgttatat cgcgcccgggt 480
 atctgacgct cccggcgcat agaccgcgac aaaactctca tgcgatgcat gagggggcgg 540

gacaagccgg agtgtaccaa caggagctt aatggttttt ggctctatct ctgctccctg 600
 tgcccccgga tttgcggctt cagtatcata tataacccaa tgccagctgc gggagtcatc 660
 ctcatcgatc tcgaattctg gcggacattt ttgctcatcg acaaagactt caagcc 716

<210> 13373
 <211> 1084
 <212> DNA
 <213> *Aspergillus nidulans*
 <223> unsure at all n locations
 <400> 13373

attaaaaaaaa caccatcc aaacaaaccg aagaaaaaag aaaaaaaaaa annnggggag 60
 aaaaaaaaga aaaaaaaaaa cggcccgaaa aaccccccaa aaaacacaca aaaaaangaa 120
 aaagacgaaa aaaaacaaaa caaaaaaaaa accaacaaga anncagagga aaagaagcaa 180
 agaaaaaaga gcaaaaaaaaa gagaaaacca aaaaaaaaaa aagaaaagaa aaaaaaaaaa 240
 acaaaaacaa aaaagaaaga aaaagagaag aaaaaaaaaa aaagaaaata aaaaaaacg 300
 aaaaaaaaaa agaaaaacaa aaaaaaaaga caaaggaaaa acaaaaaaaaaa acaaaaaaaaaa 360
 aaaaaaaaaa caaaaaaaaaa aaaaaaaaaa gacaaagaaa aaaaaaacac aaaaagacgg 420
 cacaagccaa aaaagaaaaa gaaaaatcag caaacacaa aagaccaaac aaacgaaaaa 480
 aaaaaaaaaa gntctcagga gaaaaaaaag aaaacgagaa cacaagaaaa aacaacaaaa 540
 gaaaaacaag acgaaaaaaa acacaaaaaa caaacacaca gaaaaaagac aaacgaacaa 600
 gaacaacaga aaaacgaaaa agagaaaaaa gaaacacaca aacaagaaag aaaaacaaaa 660
 aaagacacaa agaacaaaaa aaaacaacaa aaaagaacaa gaaaaacaac acacaaacag 720
 agaaaaaaca aaaaaagaaa gaaaaacaaa acaaaaaacg aaaaagagaa acaaaaaaac 780
 aaaagaaaga aacagaaaaa aaaaaaaaag aaagacgatg gagaagcaaa caaaaaaaaa 840
 gaataaaaaa acgaagaaaa aagaaagaaa aacagagaaa aagcaaaaaa aagaacaaaa 900
 aacaacaaaa acagaaacca acaggacaca agaaaaacaa ccgaaacaaa aagaacaagg 960
 acaaaagaga cacgaacaaa gaaaaagaga aacagaaaaa caaaaacaaa caaaaacaac 1020
 aaaaagacaa aacaagaga gaaaaaaaga aaaaaaacac gaacgaaaaa cgaaaaaaaa 1080
 aaac 1084

<210> 13374
 <211> 936
 <212> DNA
 <213> *Aspergillus nidulans*

 <223> unsure at all n locations
 <400> 13374

```

cccggaac agaaaggaac aaaattaaaa aaacctccct tccaaacaaa aaaaaaaaag 60
agagggggta aaaaaaaaaa acccgacgaa cccacccac aaaaaaagc aacacaagaa 120
acaaaaacaa gacaaaacac agacaaaaaa acaacacaaa aaaacaacaa caaacaaaca 180
aaaaacacaa caccaaacaa agacgaccaa aaacaaaaaa cacaacaag caaaaaacaa 240
gaaaaaaaac cagacaaaac acaaaaccac aaaaaaaaga caggcacaca aaaaaaaccc 300
aaacaagcaa caaaaaaaaa caccacgaaa ccaacaaaaa aaaagaccac aaaaaaaaaa 360
aaacaaaacg caaaacaaac aaacaaacag acaacaaaaa cacaaaaaa gcacacaaaa 420
acaaaaacaa caacaaacc aaaaaaaaaa acaaaacaac aaacaaacac aaaaaacacc 480
cacaaaaaaa aacaaaaaca cacacaacag acaaaaaaaa accaaccaa accacccaca 540
cacacaaaag aacaacaaca aaaaaaaaca aaacaaaaaa aaccaaagac caaaaaacgc 600
aaacacccac aaacaaaaaa acacacacaa caaaaaaaa aaaagaccac caaccaccca 660
acacaaccaa aacaaaccaa acaacaaaaa aaacaaaaaa aacaaccaca aaccacaaac 720
aaaaaaaaaa aacaaaacga cacacaaaac aaacgcaaaa aaacaccaa aacaaacaaa 780
ccaaaaaaca aaaaacaaaa caaaacacac aacaaccaac gaaaaacaaa aaanaaaaca 840
acacacaaaa acaaaaacac caaaagaaca aaacaaaaaa ccacacaaaa aacagcaaaa 900
acaaaacaaa gaccaaacca aagagaaaac agaaaaa 936
  
```

<210> 13375
 <211> 701
 <212> DNA
 <213> *Aspergillus nidulans*

 <400> 13375

```

gcattctaattgacgattcc ttcgaagcca gttaggtcc ttttagtgga cttgggtgg 60
tccttgatat attcctcgct cacctcgcg ccaatcatgg accccttaag gtcgaatgtg 120
gaatgaatat cgcgatgtgg tgggaaaaga ttgttcatca caacgaagtg gatcttgcg 180
  
```


ccgtaggccca tcttaactcg gtggaggccg taaaattgag agattaaagt gttcggatttt 240
 tgctccacgt gttttagtagta ttcggggagg atcttttcgca gcagtttgtg ttcagcgtga 300
 tggatcgtct tgatgatata tttatagtcc cttgagaagt agaagaagct gccacttttt 360
 cctggagagc ccagctccga gagaatgtac ttgctagtga gtgacatcaa gtagtcggct 420
 ggatccaatc ggaattttgc ccgtagatga cggaaaaccc agggcgcata gtccttaaac 480
 ttgaagtcac actgggcgga tgggtgtcagt tcattcccag ttctgcagca agacaaatgt 540
 tagtagtgat caatgattct ggtgtccgta aaaggccgaa gcatacatat cgaaggagaa 600
 cttatgtttg gccttgaaat cagcaggagt cagttcccta tccatttttg catttatect 660
 agacacggtg aaccggatcc cagtgagcat gttgtaggag g 701

<210> 13376
 <211> 1008
 <212> DNA
 <213> *Aspergillus nidulans*
 <223> unsure at all n locations
 <400> 13376

acacaagaag ccacaacaca caagccaaaa cacaggacaa gacgacaaag aaaaaaggac 60
 acaataaaga accccaatca gataaagggg gggactctga gaagacacgg cncacctgga 120
 gagccacacc cgggcggccc ggagcaaaac ggccaggcac cacgaccccg attatacaag 180
 ggacccgaca aggcacccca ggaggcagaa ccaaccatgg gcgcggaaca aaaggacgcc 240
 aacgaccaag gcgaggaaga ccgcaacatg caggcccaag aggacaacca gaccagcca 300
 gagaacgacc cagcacacca cacagatcac cggaaggaa cgggacgcca caagaacgag 360
 aaagccgcca acaccgggac agaagaggac acccgaacac aggccaaaca agcgccggaa 420
 gcagaaccgc ccagtaccgc aagctgaaga accagggcaa gcgaccagga gagcagcaag 480
 cccgaaccgc agaccagaa cggcaccgag cacggaggag caacccccaa aggccacaac 540
 aacacccccg cacgggaccc gacaggcccc cacgaaaagc aagcacaag aacgccccca 600
 agccaggggg gagcaccac acaaaaaacg agggccaaaa agacaacaaa gccaaacaga 660
 caaccgacga cccgaaccat gtccaaggaa ggaaggcgag ggccccccgg aaccaaaga 720
 cccgaagaag gaaaaagccc aggagcgcaa acacccaac gcgagcaaca aaagccagca 780
 cccccaagaa aaagaccaag caacctacac ccgaaggagg gcaccacaa gccaaaggca 840

agatcacaaa cccgagaata caaaccaggg gagaggaccc caacaaggaa ggcacaccaa 900
 caagaccggg ccaaacaaaa aacggcccaa gaaaaagaat agaccacgac acaaaaaaaaa 960
 agggaggcaa gaacaaccaa cgacgaggaa ccaaaaaaga aaaaaaac 1008

<210> 13377
 <211> 760
 <212> DNA
 <213> Aspergillus nidulans

<400> 13377
 cattaaccgc gaagcgggag aatcgcatth gagaggatcg gcgtaaccat cactaacttt 60
 ccttgttcat catagaccct gtcggggcgg ggtacatga gccctccctt tacaaccgtc 120
 gggttgagat atttgtccgc gtacgccagt agacgattct tcgtatcctc gtctcccatc 180
 tctgcagccc aggtcgcaat ccagccaaag agggccccgg atccgataag tcgccgattg 240
 agcgggctat actcaatacc ccccgtcaca acggaaaatg tcccgtcctc ttgcgcaacg 300
 acagaaccgc tgatccgttc gttgtagact ctctgcacga gtcctgggtt ccatgcgttc 360
 atcatcagtc cgcaccatgc gtcgccactg ggtccgggga cgacgaccga gcgcttgatg 420
 tcgctgcggt agaaggtgtt aaaaccacct tctggcgta tgatgcctcc accagcatct 480
 tcccaggctt tgacgtatcc cttggtgact tcagaggcga catcggtttc cccggacagc 540
 gcatcattca gtcggaaccc caggatagga acctggttgc agatctggta gataaccag 600
 ggctcacacg cgacccaat gtacccctcc tgcaccatat tccagtacac ctggctgttg 660
 atagatttct ggtcccactc aaacttatac ccatcggtcg gcccaaaaag gaaagcatcg 720
 tacaccatcg tcagcgcgcc gggcttcgtg taccgatcat 760

<210> 13378
 <211> 730
 <212> DNA
 <213> Aspergillus nidulans

<400> 13378
 cttttgtctt cccactcacg tctccgcgga agctcatcat ttctgtttcc ctggtttatg 60
 ggaagactgc tcggatgtgc tgcgggattg cgtaaagcgc aaatacagct tgacgccata 120
 tctccttgct gaagcgttga acggacatag atccggaaca ccgctaata ggcccatgtt 180

catggaattc ccggaagatc tgaacacgta cccgcttgac acgcagtata tgtttggctc 240
gaatttactg gttgcgccag tgttttcgga cgagggaatc gttacgtttt atgttccaag 300
aacgccggag gaggaaggaa gaaagcagtg gatctcctgg ttcgaccacg gcaagaaata 360
cgaaggtgga cgggtgtata cagagacaca cggtttcgat accctgccaa tcctcattcg 420
tcctggctct gtgacgcca ttaactacaa gcttgagaag ccggagggaa atccgttgga 480
tgggctggag atcttggtga atggatctat cgataaggag gtggaaattg agattgtgga 540
tcccagaca acgcataagg ttttgaagg tttgactgtt tcggagagag agacagagaa 600
cggagttgaa gtgattgcaa gacttgatgg ggttgatggt aatgagaaca gcgtgaaagc 660
caattgggtt gggcatggag taactaagag aacagggtag ataggtcgaa tgagtcaaag 720
ctcttccaag 730

<210> 13379
<211> 567
<212> DNA
<213> *Aspergillus nidulans*

<400> 13379

tggcaagtgg ggcctatcc tgtctgatcg tgtctgactc ctcatatctc ggcggtgtgtt 60
tggttgggaa attggacacg aagtgttgag gaggttcgta cctgctggcc taagctctac 120
atggatccat ttctgatgtg ctgtgccaa cgggtgagcg gcacggggcc taccacgcgg 180
ctgggcggcg cttcgactg gggacccatc tggatgata tttctgtct aacgtgttta 240
tcgatcgtgc gttgtggagg cttgatgtga ctaacttgat gggcaggatc atagatatta 300
acttttattg cgggtggcgtt gctaattttt ctgtcatgcc aactcactgt cgaggctgat 360
ctggctgcgc tgcgaagata catgtttgac ggaatgattg aagtttgccc taccctaattg 420
cacattgttc cgtccttcat ttccctagtt gttgcacggt tgcaaataac ttgggcgcac 480
aaatttggga acaaccccct tactagttat gtattgcctt agctcatttg gaggggttcg 540
ctgataacaa aacttgtacc tttggat 567

<210> 13380
<211> 594
<212> DNA
<213> *Aspergillus nidulans*

<400> 13380

gcagtctcgg ctacaaggag tttctcgacc ggcacgggct cagaccgaga gatcggggac 60
aaggcgacac gcaattgccc taatgtgaga cccagggcac tatgaatctt tcctttatcc 120
agtgcacagt cgaagcgggc ttgagcctca tgggcctcta tcttaaagac gtgattgtca 180
aagaaggtgc tcgggaacac cccaatgtga attgtatgga tggtcacaac cactccagtt 240
tggaagagaaa taggtgtcag ctcggtttct ccttcgggctt gctttgtcgc cttttgagat 300
gattcgagtc gatcagagaa aatcgagccc tttcggcgaa tgtatctttc aattttctctc 360
agtgcagact cgtaagctgc ttgcttgtct tgcataagcc tttgccaagc ctggattagg 420
gcaagggatt gcgaggcagt taaagtcgtg cagaacactt gtacttcacc accatctagg 480
atactaaata atcgctcatt cgcttcgtcg gatgaacctc caacattgta catcaagaag 540
tcgaaggacg ctatatgtgc gatcaagaag ggctggtagt caaaggagac tttt 594

<210> 13381

<211> 886

<212> DNA

<213> *Aspergillus nidulans*

<223> unsure at all n locations

<400> 13381

accagtactg ctcttttgca caaccccgaga agattaaaaa tgcttcaata tctgcagcgn 60
agccaaggga aanacaaatg ttcccttttg aaaagggggc accataggcc cccagaagaa 120
aaaagagaca agcaagaagg gaaacacacc caacacaata aggaaaacca taaattagaa 180
aaagggataa ccaaaccaaa caaacaaaac aagtaaaca aatattgtag gaaaaacagc 240
aagaaaaggc aactaagaaa cagacaaaaa aaaaaaaaga agaaaaatta aaaaaaaata 300
accaaaaaaa aaataaaaaa aaaacaaata aaaaaaaaca aataaaacaa aaaaaaacaa 360
aaaaaaaaca aaaactaaca acaaaaaaaaa caataaaaaa aaaaaaaccc aaacgacaca 420
caaaaacaaa aaaaaaggta aagaccaaac cataaacaaa taaaaaaaat taaaaaaaat 480
aaatactaaa aaaaaaaaaa aaaaaaaaaat aataaataaa ataaaaaata aaaaaaaaaa 540
ataaaaatca ttagaaaaaa aaataaaaaat aaaaaattaa aaaaaaacaa aaaaacaaat 600
aaaataaaaa aaaaaacact aaaaaaaaaa caataaaaat aaaaacacaa caacaaaaaa 660

aaaaacatac aaaatacaaa aaacaaaaaa aactaaaaaa atacaaaaat aaaaacccaa 720
 taaaaacaaa aaaaaaaaga gaaaaaaata aaacaagaaa aaaaaagaat taacaaaaaa 780
 aaaaataaca cataaaacat aaagaggaaa aaaaatataa aaaaaaaaaa aaatattcaa 840
 aactaaaaaa aacataaact ataaaaaaac aaaaaaaaaa aaaaaa 886

<210> 13382
 <211> 618
 <212> DNA
 <213> *Aspergillus nidulans*
 <223> unsure at all n locations
 <400> 13382

tctccgctga gattctcatt ctacgcctca tgcacagaac atctacatac atcctgggct 60
 acagcactta cttttttcta accggagggtc attatgaacc tggccattga cagaactagt 120
 acgctagccc gcacatgcat ggatgaccgt tgacgccaat ggaccataag ccctactggg 180
 gcggaatgag ctgattacaa atggtgaacc caggatgagg aatctattaa ggattgaggg 240
 gagttaggcg acaagatcta ttgtaagatg aggaatggct ggcttgacaa ccttgctcaa 300
 ggtaaagcgg aggattctta tactaatgag gctctctatt gagccattat cgctgtggat 360
 tcccgacggc gtgctgttac tgagcatnac atgcacctta atctagattt tgccgaggta 420
 gaacttggac ctacaatgta aagagcggtt tgagaatgca ctgcttaata acttcagaga 480
 tggagtacct cgtacagggt ttatgatgca ggattacgct agacttgaac agattcgagc 540
 gccagttgac atgttgactg ctgcacgtta ggtaagatat attggagctg cagccgacga 600
 gtgctattta tcaaatgc 618

<210> 13383
 <211> 1232
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 13383

aactgaatgt tggtttcagc ggacggtctt cgctagtgtc ctggaaaata gccggaggcc 60
 gcgcagtacc aggtcttata ccctgagttt gtactaatgc agtcgctgcc aagcctgtgc 120
 ttgaagcaac tcacggcgta tttgtgactt gcgctccgac ggcgagcaga gttgaagaat 180
 caaatcaaaa tacgccagag aggagaattg aagacgaaga gagggcggct gtcctttaat 240

aataataaca gattagttct aatgaactgc attgtacctt attaaaaggg agtcaagcac 300
agattgcgcc atcgcaagca atggaacggg cgtatgatat catgggcagg agcggggcac 360
caaccgaatt tctccccgcc aacgtctata tcacctcgtc gcagcccacg agagaccacg 420
taattttttt tgtccctaga atctcacgct attcagcaag ataacaagcc atgtcgaaca 480
aattcaagat caccgacctg ctgcctcttc caaactcgtc ggtgcaagat tccgcggtt 540
ggattcggag tctatcgctc gccagcaaca caaaccaagc agtcagtcct caaggccctt 600
gaaacaggat accgtcatat cgacactgcg cagttctacg cgaacgagat ggaggttggg 660
gacgcgattc atgaatccgg tcttctctcg agcgagatct tcgtcaccac caagactctc 720
gccccggcag gctcgctga agcagcctac gaaaaaatta ttgaaagtgt gaataagatt 780
ggcggtaaag atggacaccg cggaccctgt tctcataca cagctcaagc tcttggatct 840
tcaggccgga aggggctatt ggcagcgctt ggaaagtgt agagggaggg agaccctgag 900
tttcgggtca ggattttcgg ggaaacattc cgaggggcga agagcgcaag gcttgccgcc 960
cagtgacccc ttgagcagcg ccggaacttg ggccaagctt ctagtctctc cactgagcgt 1020
tgcccccaag gtacggagtc tgcggagggg actttcccc ttccccctct ggtttggggc 1080
accccccttg ttgccatatt tcttcaaagt ttgccctatt ttagttttcc tccgctcttt 1140
accgggccct tcttttctcc tttttcttcc tttccctcct tcccggaggc cccccctttt 1200
ctacttctcc ctttatcctc ctgagtgggt cc 1232

<210> 13384
<211> 1038
<212> DNA
<213> *Aspergillus nidulans*

<400> 13384

tcggcgaggc cccatttaag gatagctgtg aggtgatgtt ttgatcggac tgccaaagaa 60
aaccaaaaca acccaagggg caaattttaa aaccaatttc cccacaata tccccacca 120
accataaaac aaaaaccaa aaaataacaa aaaaacctta aacacaaaaa taccaaacc 180
ctaaccataa acaacaaccg gacccccaca aaaaacaacc catcaaaaaa atccaaaaga 240
aaagcaccca aatcaaaac catacaccat cacagacaaa aagccacaac taaaaaaca 300
accaacaat aacaaaacca acaaaacaaa cctatcaaaa cccccacac aaaaacactc 360

aaactaaaaa accctactac aaacaacaac caaacaatac aacctcacca aacaaaccca 420
 aacaaacctc aacaccacat caacacctaa ataaacctca accaccccc taaagaatag 480
 tacaaaagcg aggccccaaa aacggaaaaa gaccgacata aacaaccag acaccataac 540
 ccccaaaaata acatcaccaa aacgaaaacg acccacaat actacaaaca aagctaacac 600
 ctggaaaaaa aaaccacaaa aaaaccaacc aaccgaacaa aaaaataaaa aaaggaccta 660
 aaaaataaat cgaaacaata ccaaacaatt gtaattaaaa caaaaaaaaa aatatcaaac 720
 aacacaaaca caaataccat aaaataccac aaaaatatac aacaccacc aatacccaat 780
 aacaaccct ccaacatata taaaacacca cattccaaaa agtacatata aatatataac 840
 cacaacatca caatacataa atatccaaaa cattcaaacc aaaactcccc aaacacccaa 900
 atccacagac cccaattata ccaaacaaca cactaatcaa accacacacc aaacacacaa 960
 acaaaactacc ttaaaaaccc aacccaaaaca ccacaaccac ttaacactca actaaactat 1020
 aacacccaaa accacctc 1038

<210> 13385
 <211> 845
 <212> DNA
 <213> *Aspergillus nidulans*
 <223> unsure at all n locations
 <400> 13385

gccgacgtct atggcgacct ttcggcttgc tgcttgacc ccgataagct ggcgagcccg 60
 catgatatga atcatgttga tcagcattag gcgaagaact tggctggatg ggagaagaag 120
 ccgtcgagat agtcggtgtc tgcagcctgc ctctacagg ctcgagtcg ctataactga 180
 ctgattttcc gctgaggcga gggaaaaccc cagcgacagg tgggggcccc gcccttattt 240
 cctggggtcc cgaaccctat aatttgccc ccttgcccc ggggtccaaat ggggggcccc 300
 cttaatttgg gggccccccc cccgggtgg gggggcccc caaaaaaat tttttttttt 360
 tggggggggg ggcccaaaaa aaaaaaaccc cccgggggtc ttttttgggg gggggggggg 420
 gccccctcg ggagaaggcc cctcttgtt tggggggggc ctttttttta aacaccctac 480
 aaaaaaaaag aggcgttttt tttttttctc caaaaacccc cccaataaa gggcgcttc 540
 aaaaaaaaaa cccccgttt tgtggggggg tggtttaacc cccccctct ttttttctcc 600

tctcttgag ggcgaaaata cctccgcgga aaaaaatcaa gggggctttt tattccctcc 660
 cccctttct cttctttttt cgcgcgcgcc tccccaagac gacccctac acccccccc 720
 cttggtattc ttattttatt tttcttctc tntctgtcgt tctcccttc tccatataaa 780
 taccacgtcc cctccctaca tctctcatta ttttatttta tcatctcttc atagatacat 840
 acctt 845

<210> 13386
 <211> 661
 <212> DNA
 <213> *Aspergillus nidulans*
 <223> unsure at all n locations
 <400> 13386

aaaaaaaaa aaaaaaaga aagacaaaaa tcaagaaaca aaaaaacaaa aaaaaaaaaa 60
 aaataaaaaca aatataaaaa aaaaaaagca aggcgaaatt gagaaacacn gnnnnntaac 120
 aaaaaggacc ggaacaaaag aacaaaagcg gaaagactag cagaaggaag atttttttcg 180
 aacagaaaac aaaaagagaa aaggaggaag gcggaggaaa gggataacaa agaagaagaa 240
 catgccgaca ctgagataaa aaagaagcgc ctatacagag aaaaggctga cagggaacaag 300
 agtaaagcgc ccaataccac tagaaaagca gggggcatga accataaaaag tgcaacaacg 360
 agggaaaaga aaactaacaa caagaaaaag gggaaaaaga aagaacgcgc caaacaggaa 420
 aaggagccaa aatgaacaaa gcacaaattt gaacacgatg agaagaacgg gaaagaaaaa 480
 cgaaggcaga actgggagta aaaacaagaa taacaacaca gggactaaca aaagaggggg 540
 acaggaaggg gagcaagaac gaaagagacg ggaaaaaggg aaaaaaaaaa agaccgtccc 600
 aaaaaaaac ccaaaggaaa agtacaaaaa ctattaagca acaaaacaca caaggaaaac 660
 a 661

<210> 13387
 <211> 761
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 13387

aacgagtgtc cctgctgtcc cgagtacctg aacaagatgg ccgacaaagc tgctgactga 60
 ataagtcccc gtgggaacta aaaggggggtg tcttagtaga tgctaggtgt cttttaatat 120

attatatttt tatgattaat attatgaata aattatataa aattgtacat ataaataata 180
 tgttattata attttttataa aagaaaatac ataattgcaa tattatcatt atttaattaa 240
 ataaattttg ataaatatat aattttttaga aaatgtaaat aatatgtcta agtaaattat 300
 ttttaaacac taatattatt attaaaatat atttaaatta caataaaaat cgattaactt 360
 attcattaac ataaatttat cgattaatta catttaaatt taattaatta agtattaaat 420
 gttctatatt atgagtataa ttatattaca ataatcttaa ttttgatatt caatgtattt 480
 aataacttaa gatattttac gtcaattatt acatctatta atatattatt accctatttg 540
 aacaattaat gtaaataaat ttaaacatat tataattaa tgattattcg tttattaata 600
 aaataatatt atctagacac atagatagtt tattttaatt atagactaat tataattaa 660
 ttacaatgta aaaattgata tatgtagtta agtattatgt aaacataata ttaattaatt 720
 caaaagatta atcaatatat cacaatttga tagtaataca a 761

<210> 13388
 <211> 508
 <212> DNA
 <213> Aspergillus nidulans
 <400> 13388

actcctcgcg cactgaaccg gtattgatac cccgaacctg ttaataacttg gtaggcgaac 60
 cggatgctgc gtggatggac gagacaacgg ggactctcct gcagaaggag catgcaccga 120
 gacaaggcat cactggcct gctacgaag ttgcgaatat tgttctgcgc cccagaacg 180
 caggactgtt gcaaccacta ctctgatca aaggctatcc catacggctc cagcaacgct 240
 catgagacaa gagagagatg gcagatccga tgacctctac gagcgcgag ctgcaactgac 300
 aacagcaaac cagaggtacc tctaattgctg cgcccagacag aacgctcaac atgaacagag 360
 cacagcaccg tcctatggac cgacaccgac gcgcaggat acacgcgcag tgaccatcac 420
 gcctaggtaa gaacacataa gaatgctgca tacaggacca gagaggacac tctgaccac 480
 catcgctaaa cgagcccgac tcgagcgc 508

<210> 13389
 <211> 140
 <212> DNA
 <213> Aspergillus nidulans

<400> 13389

aaaaaaaaa aaaaaaaaag aaaaaaaaaa acaggaaaaa ataaagataa aaaaaataaa 60
cataaaaaaa aaaaaagaat aatcaaagca actataaaaa aattagcgaa ccacgaggaa 120
ccacaaagta ggtaccacca 140

<210> 13390

<211> 1070

<212> DNA

<213> *Aspergillus nidulans*

<400> 13390

tatagggtca tcccatgcc a gctcgcgtcc caaaacctcc ctcgaccgtc ccagggacgg 60
tggagacgaa gagacaacac gccacccgaa cttgcgcacg ctcatccttc aattcgaagt 120
tgaggacact ggccccggaa ttccgcagca cctgcaaaac cgcgtctttg aaccgtttgt 180
gcaaggtgac ctccgtctaa atcgcaaata tgggtggcacg ggcttgggtt tgagtatctg 240
ctcgcaactg gccagggtca tgagaggtca gatacagcta aatagtgagc agggacgggg 300
cacgtatatt ttagtccgga tcccgttggg ttttgtcaag gaatctcccc caagcaccgc 360
cagctcgatg acgagtctag ccgggtcgcg gacgtcgagc gttttctcgt tggatgacct 420
ggcgagtgtc actaaggcgc cgtctaata tagcgtcgca tctcaacatg aatcaacgaa 480
gagcaatgct gaaatacagg actcacagcc tcgcttgggt ggcttgagtc aaccattctt 540
tgcgccgcct gttccgcaag ctaaggacaa tgggctgaag aagataagag cgttggtagc 600
tgaggataat gtggttaacc aggaagtggg tctaaggat gactacttt ttcgattcgt 660
atcatgtact gaccctgca gaatgctggc gttagaagac gtctatgacg tgactgtggg 720
caaagacggc caagaggctt atgacaccgt gaaagccaat atggaggagg gcaaagtatt 780
cgatttgatt tttatggata ttcagggtacc gcaccctcta tactaatctc aggcctttgc 840
taacgtttgt aagatgccaa acctagacgg cattgaaagc ccccgcttta tccgtcaaat 900
gggctgttcg gcccccatcg tcgcgctgag cgcattctca gaagccagca atatcaaaga 960
tcgcatgaac tcgggaatgc acatgtttat gaggtccgtc ttgcgacaat cattttggcg 1020
ctccgggcat gaaggccttc cgactttcca gtgtagacga cggctctccg 1070

<210> 13391
 <211> 393
 <212> DNA
 <213> *Aspergillus nidulans*

 <223> unsure at all n locations
 <400> 13391

gcagcagana gccggaaata aagacagagc gcccaacaat tgaaagacag cgcacaacac 60
 cgaagagggg gcgaccgaac gcaccgacgc cgagacgccca cccagccag aanagaacgn 120
 gcgcaagaca gccnacaaag gccccgggca aaagcaaaca agaaccacag aacgcccacg 180
 cggagcacga ngcaggagac acaaacaacg ccggccgagc cagcaancag gcaggacgaa 240
 gcaccagacg gaagaaacga ggaagggcaa aggcagcnaa acggg'gcnc aacacgagaa 300
 cagacccaag ccaaaaccag accccggcag ccacaagcag acgccgcccc aaacaaaagc 360
 acacacgggc aggacccagg caacaacggc cag 393

<210> 13392
 <211> 395
 <212> DNA
 <213> *Aspergillus nidulans*

 <223> unsure at all n locations
 <400> 13392

cccgacaggg accacaccga gagggaacg aacagcacga gttcnccaac cacggaaacg 60
 agaccgacgg gcggggaaaa cggaacgcc gcgganacca gcggcagaca cacacgcgaa 120
 cgacaagacc ccccgaagga gcagcaagga cagcagggac aagcagaggg cgagcgcacc 180
 accggggcac aggaaggcca ggaaaccgcc gcgggacagg caaagcgaga cagcagcgaa 240
 aanggacccc aaagcgcgca ggcggaacca aaggaaggcc aaacgagggg aacacgccag 300
 gcacaggggc ggcacgcgca aaccgcccc ngacgcaaca gggcaagcac aagacccgca 360
 acccgggaga caaaagcaaa ggcggaagcc acgcc 395

<210> 13393
 <211> 1133
 <212> DNA
 <213> *Aspergillus nidulans*

 <400> 13393

gcgagctaac cagacgaggc agatagtgtg gacagccatc gagataatgg gagcgcacgc 60

cttttctcga agagtttcag gtagactacc gaagaccgga tgaaacgggtg ccgattttgt 120
 ctcagagcca gcccttaaag aaggaactcg acgcagattc caacggatct agtcaggcca 180
 gctgtgctac ctgcaacctc gttcggatac cggtcgataa tgaggaccaa gatgtcacat 240
 ggatcagctg tgaccgatgc aaacgctggg ttcatatggg atgcgctggc ttcaaaaatg 300
 atcgcgagac caggacagtc cataaattca tttgcaaaac ttgtcggact attcacggcc 360
 agaccacttt ttgcagaaag tcgactcgtg ttgcacctc gatcgattat gcacgggtctc 420
 aatcagggcc tgacgaagtc cgtaacagac tggttagaac ataagtccat tttacctatt 480
 aagcaaaata agatccgctt ttctcctgga acttgcccg c atgcccccg aacttgcaact 540
 gctagtattt tagaaaggaa tggtttacag aacaatctca tcccgctagt tcaacacttg 600
 caagataccg ccaccaaccc gagttgatct ttgttaaate ccccgccaag aatgtctcgg 660
 ctttatacct tcgcatgtga ctatgaccgt tcgggtgggca aataatcaaa tgtatccgag 720
 ggtgaaggag gagttaagtt tttgcccga aagggggggg catttataca ctgggaataa 780
 cttatctcta aggggcttta ggagtctgaa atttcaattt taactcgggt aaaaactaga 840
 gataccctcc atgggttttt ttcttatctt cttggtaate tcattactac ttgttctttt 900
 ttcattctatt cctattcttt attagggtgt tcttcttttt attctctggg tattattctt 960
 cttcataaag gtggatcatc gtttctttct tttcaccatt ttatactata ctttatcact 1020
 actttttctta acactttatc acttctctga tacatatttt gtttattatc ttacttttat 1080
 tatccccaat atctccaatt cactctctat tttcttttct tttttttcat att 1133

<210> 13394
 <211> 636
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 13394

ttccttctta caatggcaaa acggaagctc accataatgg ggattttcgc ggccaattaa 60
 atgacgagct gaaagatgag cctggagaga aatcggaaaa gaaccacgag aggcgacatg 120
 agaagaagcc tggatcatc cggggtcacc ggccaggaca ggagttgcct ccgcctcctg 180
 aagcacctaa cagcatgaag gctcttccga caaacgagct agaggacttg ctcacaagac 240
 gaagcaacac gcgtgtgagg ctggccaatg cgatgcagcc actatacgtc ctgttacggg 300

accgtcgaat tgcaccgaat acacggcatt ataaggcgggt tatacagagc aactcagatc 360
 ctgagcatgg atcgtctaaa acagtgcgga agttgcttgt ggaaatggaa aagtataaca 420
 ttcccgttga cgttgGCCCA ctccgtgcag cactgctggt acgtcaattc ttgaactcga 480
 tgtgatgttt aagctgatgc gtttgtctac aaggcgcttg ctgttcatcc cgactatctc 540
 ctgcggcagg acgtgttgcg agccctacgg gatcgatggg acaccctcaa cgaggatgac 600
 tggcattatg tggtgGCCGG cttgggtcagg tatgag 636

<210> 13395
 <211> 931
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 13395

gaaccgcttg cgcttgagat cccctactaa tttcccaaaa gcgtaaccat gtgtgaataa 60
 attttgtgct agtttggttg cagccacgag taagtcttcc cttgttattg tgtagccaga 120
 atgccgcaaa acttccatgc ctaagcgaac tgttgagagt acgtttcgat ttctgactgt 180
 gttagcctgg aagtgccttg cccaaccttg tttctgagca tgaacgcccg caagccaaca 240
 tgttagttag agcatcaggg cgattagcag catgatatca aaacgctctg agctgctcgt 300
 tcggctatgg cgtaggccta gtccgtaggc aggacttttc aagtctcgga aggtttcttc 360
 aatctgcatt cgcttcgaat agatattaac aagttgtttg ggtgttcgaa tttcaacagg 420
 taagttagtt gctagaacct atggctcctt tgccgacgct gagtagattt taagtgcagg 480
 gtgggtgaaa tgagtccgtg tcgagcgctt attttttcgc ctttagagcg agatttattc 540
 catagaaatt ggcattgagat tggattgctt tagtcagctc ttatagctaa agtcttgagt 600
 gctagatgac tatcatgaag gtgttgtagg gttcaggttt ccttcctagg ctgatattga 660
 cttttctttt actgggttaac agaccaacct atttttaccg ttattccagg gctttaaacc 720
 cttacttcca atgggggggt gtctctggaa gctccaaggc cctaaaagggt aagtttttta 780
 tattttaaag gagcttttta agagaaaacc acgggggaggt caaaaacatt tttcaaatac 840
 ccaaacagggt tttccaaatc gtccgtaaag ttttgtttgc tgtgtctctt tcttatacta 900
 aaatcattac acatttttat tattgttttc g 931

<210> 13396
 <211> 523
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 13396

```
aggaaaccta actgagacct accaaggctt gcgccacaca cgagcccaag agacccaaac   60
caccacggcc ataaagattt tggtaaacac acggagcacc gaccaactgg ggcaccccaa  120
ccacaacgca caaaaaaaga ccctgtgtac tgagacagaa tctttccga cactgcggaa  180
gcaacacaac gctgcagtcc taacacaact ataccaccgg taaaaagcgt ggccctggca  240
cacattgtaa aggggcgctg gaaacggaaa acgccgatg ggccctggcc atgtgaaaa  300
ggcaagcaag agtggtcaac cagcgcttag aacgaccaga caaaggcctg gaatgggacc  360
tgacagaact caacggagca aggaggacca caatcaatgt aaggccgcca cgcataatct  420
aaaaacaaag ggcatcatga ctgacatcca cccgggacaa ggagcaacag cagcaagtgc  480
ttgaaacaac cggccccag aacaaggaag gcctgcccac ccc                               523
```

<210> 13397
 <211> 1016
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 13397

```
gactaactca taccatctgg tatctccggt gaagccaatt cagcaaaatc gactcattat   60
gctcgccaac ctccggtgca gcatccatcc tggggcgga cctccccta gggctgaatc  120
ctggcggaag aagggtggtc acagtgcctc gggagtcttc acctcagtcc aacgatttct  180
cgcgcggaag tgcgtatgtt cccagacgcc ctgcatgtca ctcacattcg cattagcaat  240
agcggcctcg tcaagccgac gtgtggcttc ctcggcagtg atattggcga aggatttgtg  300
aataatctct ttgagcgcgt cgcggttttg gacgcgaagt gagttattcg agaagcgagc  360
gtccgttata aggtcaggct gcgagaggac aagcgtgcag aatttagccc attctcgttc  420
gttctggata cccaacatca ccgaccggtt gcctgtctcg aagggcccggt aggggtagat  480
agaggcgtga gaggcgccag cgggtacagg gccgggggcg ccgttgaagg catagtacat  540
ggggaatccc atccattcga ccatgctctc cagcatggaa atgtcaatgt ggctgccacg  600
accggttttg gagcgtgca tcagagccgc taggatgttg ctgtaggcga tacatgccgg  660
```

atgcatggtc cgcaatcgaa atcccaactt tggcaggttc cttgccagtg cctgtaactg 720
aaagcatccc ctgcttcctg tgaacgagga gggccactc ctttttatgt cggggcgggc 780
cttttggtcc gtatcgggaa atatcacaca cagtcagggg cgcgggcttt ttttacaggg 840
tcgaaaataa agggcataat aaaacattaa cacggggcgg gagtatttgc aaaactcttt 900
gtgttttgtg acaagacaat aacatcttgg gaacttgagg tttatcaaata aacacccttc 960
actcttttta aaagattcca acagacaaaa ggggtgcgct ttctctcctg aatttt 1016

<210> 13398
<211> 711
<212> DNA
<213> Aspergillus nidulans

<400> 13398

atccggccga taatacgact actatagggg tctgtgtcaa aaacaaaaat aaaaatcaca 60
gtagttagac cgtgagactc gtatcatttc cctcctcagg agagcccgtg catggggctg 120
gcaaggcgat tgttcccaac ttacgaacga tgttcaactg tcttaggcca ctttcgtagg 180
ccagagcggc ctggtggaca accgggtgac ctggcagctg aagatgacag agtcagatgg 240
ccttcaaaac aggataatcc gatatagtcg acccatatat taatattatc gagagcgaca 300
gggcaagtag agagcagaaa acagaaaagg aaaacgggca gcgccggccg gtctggccaa 360
ttttaggacc agcgcccgtc cactggccca gactccgctt ccattcgggg cctcgaacat 420
ttgctgcagc ctaggcccga ctctattggc ccgtccgcca gagaggcggt ttgggggtgtc 480
agttctcttc acaggccagg tgctcgagag gttgaatggt gctgctggag agcttggtca 540
cgaaaaaacg gtcgttgaca tggggaggga tcggatgggt ggcaatatat aaaaaacaag 600
catggacata agacactgga tgatctccag aactgaaga agaagggggg ttgcgactga 660
ccaggaaatt caagagactg cccgtctgct tgacaagcaa aagattagt t 711

<210> 13399
<211> 1885
<212> DNA
<213> Aspergillus nidulans

<223> unsure at all n locations
<400> 13399

aatggctggt ccatagatat aggcattcgg tgagctcagg atttttctat tgcccgaaga 60
atttctagat aaaaaggaaa cgactttgac tagtttagaa aagcatcaga tagccaatag 120
taagggtcta gaagcctcag caatcacgaa atactcctcc cttgctggag tcattgagac 180
tttcccttgt ctagtgcgtc aggctgaccc aaggagaccc tactaagga tacgtatcgc 240
agtaccagaa tgccatgtga ctattattga cctcgaaaca taaaattctt agaacgaatt 300
ccaaaaatag tcctcaggaa agggagtttt tggcatcgcg ggcatttccc cgcgataaga 360
agtgtgcct gaggaacgca ggtgcccgtc cgaacatcta ccctaaaacc tcatatcgag 420
cgaagacacc agcacacctg aaggctagaa gttgaaatga gtcatcatac cattcggagt 480
gagttccag tagatcgaag attctatttg ccgtcaactg catacaacaa gctgcaactt 540
gcatttattg caacctaaag gcgttcaaaa atcatagaac tactcgaaac agcatttgaa 600
gtccgcatag tattattacc tagggccata tttgaaatcc ncctgtaaac acctgagaga 660
aaaccaactc gtacgtctga aaaagaaggc acgagcaggc aggaagcttg gaatgaacga 720
cttgggtcaac ctgcggccgg caaacatctg cttgatccca tgcaaataac agtgagtgcc 780
actgtcacgc ttacagagtc gcgtgctttt gctaattgtag aattggatgg gaagcagata 840
catgttgatt tagctgcggg tgattttctt tgtgtgaata tggaatacgg atggaaacca 900
tgccaaacag cctgcatctg ctccatatat gtactaggaa gttgaatata ttccataagg 960
tgcaaggaca agatctgact agtgcagaat ggtttgccgg tcccagtcct atataagcct 1020
taaaacattt ttctaaaggt acaagcggaa agccaagtga tcccagcct tagatgtaa 1080
aatacctccg tagcttgaat acatgacgac aagggcaggt tacaagcaac tttgaaatgc 1140
atatataaac cagtaacgcg tgattttgcg caagatttag tcacatcgca taactcagcc 1200
ttacgtttcc gctaacataa ttatagtcac cttccccatc ttatccacaa acctaagggtg 1260
gtttactaaa gcctaacggg atcgccaggt ggttctccta gttttttttt ggagactata 1320
aatgtgcct gaggtcgggt ttgctgtcgt tgctagcacg ggcactttcg acttcacacc 1380
tgctttcgag gaggccgtct tctgtatcct ccttcagcg ctcttctctg gtcgtggctc 1440
tacagcgtct cttctagctg acaagacagc ttagcaaggt cgccaaaagc cagagggcaa 1500
tcgttaaagt ggcacgtgat acccttagcc ctatgaccgg ttaccgggtg ttgttttggg 1560
tctaagggtt tcgccgaaaa aataacacct ttttgattga tctgggactg gagggatgga 1620

ttgggtgggtc actactttat gacctgcatt ggcggtggccc gactttaatg cataaagcgg 1680
 ccttttctta tattcggctt tggcgggtct ccgctttttt aaagcttttt tttgtttgtc 1740
 cacccggaac ttatgcggaa ccaccaataa acaatttatt gttactatag ttcccggtgga 1800
 gccgcctttt ttgcaccttt atcttttatt ggacaagttt tgtgcagttt taatataaat 1860
 atatttttaa tttgtcattc tctat 1885

<210> 13400
 <211> 985
 <212> DNA
 <213> *Aspergillus nidulans*
 <223> unsure at all n locations
 <400> 13400

acctatcggg gcagagtttt gcatggacct tgatgacata ttgcattcga cggagtata 60
 aaccaccagt ataaggtgtt tatggcaagg tcggttctat gcgaacaaag ccgtttctgg 120
 gccacaagtg tacgttactc gaaaccaacg gccacgcgcc cgggagatca tctctttgag 180
 gtatagaaac ttaggctgtg tcacgcgcgg ctgggtggcg cctttgtgga cttttatttt 240
 tatgatttat tactatgttc ttgtaggttt ttttctttt cctttacttt tttcttactt 300
 tgtgggtttt ttttgtttc ttcatttata tgaattttta ttatttttta catttctttg 360
 tttgttttta ttaactaata tgtctatttc ttgggttgat gttttggttg ctatagtctg 420
 ttctgacttt tatcttttat tcggtattgt tatactgctt tatatgtttc tttgtattta 480
 ttttgtgtat tattctaagt ttttttgaca ttcttccaat tatgttgacc tttgttgctg 540
 atttttactg tttttatttc ataataacat gtgtttaatt tctcttttcc atttctattt 600
 tatatttttt gtttattgct ttttctactc tttattatgt cgtctttttt gcttttacat 660
 tgtttatcag atatatgtta tctatttttt ttatatatta ttaattttat agtatttaat 720
 tttcttactt tggtatgttt catttttgag ggggtggttt ttcatttttt gttcttcatt 780
 aatatatttt tcacttatat ttattttatt ccattttttt attatcgttt tttttttttt 840
 tttttatttt tttcttttat acttctttat atcttttctt tacttaccct tttcacttta 900
 cccttatttt cctgtttctc ntcctttcta cttctcatct atctcctcta ttaatcttta 960
 ctttactatt gatggtaggt ggggtg 985

<210> 13401
 <211> 1246
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 13401

```

taggttatca ttgacgggtca acggattggc aatgtgagga gcccagagacg ttctgtcctg   60
tcgccagtcg tttgacccgt cgtcccccttc tgaaactcca cgttgaggct catgtcgctg  120
caggcttgcg ggtgggacgc tgtgctgttc gcttttgtcc ttgtttcgcg gtacctactt  180
taatgtttcc atcttgccgg actctcttgt agtagcttgt agatattgtt atttactatt  240
taattgcgct atttctgttt gttctctttc atctctattt gatatgcatt atattctatt  300
tattctatat tttttttttt ttttttagca attatcttga ctaatttccc ttcttcgttt  360
tcttttctta tatttttcta ttgttcactt attaactctc ctcttcttca ctcttcggat  420
tgatcgctcg ctctattcgt tgattgttcc tgtttatata ctattctttt tttttatatt  480
ctgtaatttg catcttagtt attattccta cacttctttc tctattcacg tcatattcta  540
atgctacttt ctaataatat ttaaattcct cttctcttgt taccactcat tcgatattat  600
tcatctatcg ttatatctat cctgtttctc tttaaccttc cttattatca tcatttaata  660
tcatcatctt tatttcacat tcaactctatt ttaatatatt tactctatca tgataataga  720
atTTTTtatt gttctcctca ttttactcgt tttcaccttt cttcttttat ttcttacaca  780
ttttctcatt tgttactcta ttattcttta ttctttacat tatctatcat atctcaacta  840
tcttttcggt atcctcttat ctcatgttgt cgatcttctt tatattctct ctttctactt  900
cctcatattt tatcatcttt ctcttttcat ttgtatatac tcatttttat tctatttcat  960
tctattgctg tacttcatta tctcatactt tgttcattta tataaactct actttatttt 1020
ctacgtctat ttcgtccta cttataatca tattcatcat aattctcctt acttatttat 1080
aagttcttac ttttattatt tagttacata tcgtttatgt ttctctctta cttgctattc 1140
ccatattcaa tgtaatttct acacctcatt ctatgctcta tcttctatgt tatcttcatt 1200
ctatcatatg tgactttcat cttatcttta aattcttact actctt                    1246

```

<210> 13402
 <211> 823
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 13402

catcttcttc gtctgctga ttctatccgg gtatgccttt cccttctcaa gcccggcggc 60
ggatgacccg cttgcagcat tatttccatc ctccacagta gatagggcta gggactgac 120
tgactgctga cagaaacgcc gaaggaggcg tgggcctaata ctgcgcctgc cttccgtcac 180
taaacatcct gatcgccaag gtgcgcaacc acagttaccg ctcgaaatac ggatactacg 240
agcagcaaag cggagacgtg cagctgtcca aggtcaaggc cggcaciaag aatggggcgt 300
cggtaaactc gtgcgctcgg gatcccgagg agcaggactt tgtgtcggat gagagcggcc 360
tgatcagcca cgcgggagcc gcgggggatg ttgctgttgt tgatcgtcat ggagatccag 420
ctgggaggag gagtaaagga gggattcaca agacgggtga tgtgcagcag acgggtggaag 480
ttttggctgg acgtgtgcag gcggggaaga agggttcaac gtactgaatt gatataaat 540
atattatgcc taaataggta tgggatggct tggtttggat tggattcatt cgggtttgtc 600
cgggtttggg ttgtggtatt gtatattcta attagatgtt ggaaggatgg ttatctggag 660
tgagttcatc aggcctggag tgaagtcagg gacttcgccc tcactattgc tatatctcca 720
agatctgatt atgacccgcg cgtgcccgtc cgtaccctct tatcccagtt cgacgagtat 780
gaaacgaagc cctcttggcg taataggggg accgcacaag gcc 823

<210> 13403

<211> 1095

<212> DNA

<213> *Aspergillus nidulans*

<400> 13403

cccacatgac gccatccatc gctgtactct aaattgttga tgatagacta taattagtta 60
ctacgaagaa tgcgtatgtt gaagagggtg atttacttgc ttcttattca ttattttatg 120
gttgtttatc attatttgtt ttttcttttt tttttcttat tctttattgt tttttatatt 180
tttatttata tattgtttat ttatttagtt tttattttat tttatgttat tatttatatt 240
tttactatatt ttttttttta tttaattttt tttttttatc tataatctttt ttttaataat 300
tttttattaa tatattattt aaagtttttt tatttataaa ctactttttt tttattttat 360
tttattattt attctttttt gatattcttt ctgtttttct cttacttatt ttaatttttt 420
ttttttactt atattaatat ttattttctt attataattt ctttttttat tttttttata 480

ttttttttat tatttattta tttattcttt tattattatg ttatatTTTT tttttaaatt 540
 tatcggttatt attaatTTTA tttttatttt ttttttttta tttttgatat ttttttattc 600
 ttttattatt tttttttaat gttattttaat ctttttcac tttactttac ttttctttta 660
 ttaatttggtt ttttatttta ttttattttt tttcattata tactttttac attaatatgt 720
 gttattattt ttttatgaa tttttcttat taataattat tattattatt tttcattttt 780
 attaatattt ttttctatat ttatatTTTA attttctttt atttatgttt atttctatta 840
 tttttcttat ctatttttta ttttattttt cattcttatt tacttattat ttattatatt 900
 ttatttcttt tttctcattt tttcttctgt ctatatatat ttatatataa ttgttttatg 960
 atactttttt taaatatcat tttttttaat tgttcttata ttatatTTTT tttctaattt 1020
 ttttatcttt atttaattac actaattatt attgtatttt tttttattta ttctttctta 1080
 gtatcattta ttata 1095

<210> 13404
 <211> 981
 <212> DNA
 <213> *Aspergillus nidulans*
 <223> unsure at all n locations
 <400> 13404

aaaaaaaccc cccctngacg aacccccccac acaccccccc cccccaccc cccccccacc 60
 cccccccccc ccccaaacag ccaaacacac caggngnnnn ntgcgccgac ttacaaacca 120
 aaccaaaggc cccccccccc aacagccccc ccatggggcg cttgggtcacc ggattcacac 180
 cgcgccgcac acccctaccc gccaaacctt gtccacctaa accaccgact atcccccca 240
 cctgcccccc caccaaaacc cccaccgcag tacggaacgc gccacccccca actacaacca 300
 gccccaaaac cacaacaca cccccccccc ttcacacgac atccccaacc cccaaccacc 360
 cgccagcccc cccaaggcc cccccgaccc cggcccggcc cacctgaacc acatgcccc 420
 aacacccaac agcacgcccg ctcccaccgg ccccaaaacc cccggaccgg cccgcctccc 480
 cccggaacc cccccaccc cccacccgc accggagccc cccgaaccc cccccccat 540
 cggccaccc tcccctccac acccgcgacc cccccccccc ggaaccccc ggccccccac 600
 ccagcaaacc cgaccccccc aaccaccaac ccccccgaca tccgaccccc gaaataaccc 660

ccccaccacc cccccaatt tccaaccac cggaccgcaa tcacccaaac acccgaccat 720
 cccctgccc accgccctta acccaccacc cgcctatacc ccccccaac ccccccaaca 780
 cccctcggc cactcaaccc ccccatccc cccaaaaccc cctccccccc accaccatac 840
 ccaaaccccc cccccacaaa accctacac cccaaaccaa ccccccccc gccaccaccc 900
 cgccaccacc agacccctct tcaaaaaaaaa cagcaccctc acccaccaaa aaagccccc 960
 catccaaca ccccccccc c 981

<210> 13405
 <211> 1002
 <212> DNA
 <213> Aspergillus nidulans
 <400> 13405

aacattattc aggttcgggt gacatgggtat cggatatctg aatgtagctt tcctgatata 60
 cactgacggg tctgtgctcg ctaaaaagta aggtagtatt gaccctgttt ttctgcggt 120
 agtggcagtg gcatcaaaag gtgcggatag gatatttacc gatatcgagt gattgtacca 180
 cccctcaaca cagctaacaa gaggtatata tactttacta agtcgcatgt gtaaggacat 240
 ggaggctagg gagctgatat acaatctaac cgggtgcaggc tgtgacattt cagtttcaag 300
 taattggggg caacactcta ttttagtggt atctagtggt atctgaaaag taaagaagag 360
 acaacgggtc agatcattat tcatcgagcc atgtcccttt ccgcgcttaa ttctatatac 420
 cgccatact ccagggtgga tgaagataat gatatttaga acatttggcc ccgatcattt 480
 ccacggagca cccctacatt ctgcactgca gagtaggtca gtgcatattc ccagttccct 540
 caagcacctt gatggccgga atagctccaa cttttgtctt ccagggaccg ccgccagcag 600
 ggacgataga tccggtgctg gctgtgtcca ttggcgagtc ggggataact gatatgtggg 660
 gaaccactat atccacgcct ttggtgacac tgccgctacc agagaagcag ggtttatggc 720
 gaggaggcag aggacgatga gcagactcgt acatgtgact catgtagtcc gacgctacgc 780
 tgctcacaga agatggcgtc gacggagtat tgcttaatga aggaagagtc gacagactag 840
 ttgagctcgt gttacggccc ttgacaggc gtatgggaag tacagactcg tcgccgtgga 900
 attttgacag gtacttccag gcatccgaag ccataatgca agaagcatgg tcgtccgtgg 960
 gtattacggg ctccattcg gttgggtcaa ggtcttactg ac 1002

<210> 13406
 <211> 105
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 13406
 aaaaaaaaaa aaaaaaagaaa atatacacaa aaataaaaaa aaaaaaaaaa aataaaaaaa 60
 aaaaaaaaaa aaaaaaaaga aaagaaaaaa aaaaaaaaaa agaaa 105

<210> 13407
 <211> 489
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 13407
 actcagacgc ttctgactcc gaggctgaag atcacacaga gaagaaagat cctaaggctcg 60
 tcaaaatcag cgacaaagac acgctgggta tcgactcgaa acggcgtgag aaactcctca 120
 aatccaagaa gaaacttctc aaattcaagg gtaaggggaa gaaattgggtc tatgacgacg 180
 aaggaaaacgc acacgagctc tacgagatgg aagacgaaga agcattcaaa gcccgcggtg 240
 atgcaaagga acagcaggca cggttcttgg ctgaggaggc ggcacgcacc cagcgcgcg 300
 atatggagga taaggagatt gctaagcaga agaggcgcgga gaagaaggag aagcgggaaag 360
 cgaggggagcg cgacgtcttg gctgaggagg agcgtgaaga gcgcgtcgct cagcttggtc 420
 cgtttgacga ggacgaggac atgggtgatg caggcgggta ctgcagctct tcggatggag 480
 aagaggagg 489

<210> 13408
 <211> 1088
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 13408
 tttttgcgac atctctcttt gcggggggaa cacaagccag cttagccagc gctgcacaaa 60
 accagcacc ataatcaatg gaatagcact aggcgccatc gtggacccca aaagcccctt 120
 gcgccctgcg ccgcgcgggg attgacgacc ggggtgggaa agctgtacaa tagcgggagt 180
 gccatgggcc tgcgagactt cggcatactt gcggtactgc tcgaacaagt ctttgttgg 240

ttcggcgctca atgtattccc ctgatagggc gggatcgaag ggtgacccga ggtgggtttac 300
 atcgacttgg acgttccctt tgcaggtaat ttcatatcag aattgggtttt gttcatcttg 360
 atgaatcata gatagtttcg aggcgaaacct gttaggacgg caccccaacc gcctttggcc 420
 cactgatcgt agacattgat cagagcagga gtaggaatgt tctgaaatcc acctagcatc 480
 tctgccatcg cggcctactg aggtcagtat cgcgctgtaa aaggggatga ttggccttgt 540
 ttataccttg gcgaggcggg tagggagtac gagcccgcat gggagcttaa cagagtcgtt 600
 taacgacggc attataaaag aaatgttacg ttatatgatg aagaggtatg cagaacaaga 660
 cctcacaata tacgaccaga taaagcaagg acaatatgca ggataaaccg cagccgaggt 720
 tcgctttttc acatgagtgg aaaccctct taçttttaac tggtaactgt tggtagctag 780
 gtactactac gtatctagaa ccttcactca aggctacact gcgatgacga agctcattaa 840
 tatcaacgag gccagattaa taatgttcaa ttcgaattcc tagccctaaa acggtatata 900
 gcgcaccgga agagcccttg tccggggccg gtgacaaaa tagtagaggg agccacgaca 960
 tccgccatc cgtccatccg acccgatcg cagtcgtccg gccctgcaga accacctcac 1020
 cagggaccag gggcccggtc cacccccaga cttagatcgg atccctatag tgagtcgtat 1080
 tategccc 1088

<210> 13409
 <211> 583
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 13409

atccggctgc accagctgat atccaatcca gcgacgttct ttcgacgctt ggaactacaa 60
 gacccttatt ctctcttac ctccgtatcc gctctctgc aagatctccc tcaaaccctg 120
 agcttcaaca agcgcgctcc gagcttgaga caacactcac agacttaact gccgacctag 180
 acgatctagt cgagagtgtc cgagctgtcg agcaagaccc ataccgcttc ggcttcgaaa 240
 tcgaagaagt tcagcggcga ccaagcttgt cgatgatgtt ggcaaggaaa tcgaggagat 300
 gagaggggag ttgatgaagg ttattacgga ttccgatcat gccgaggcta aagctacaag 360
 aagcactggg ctcccaaata cagcagactt tgacgatcat ggtcttgatg gtgatgccaa 420
 ggagaagact attatgcagc tatggagcag cagcggcaaa tggagctcat gcatgagcag 480

gatgagcagc tggatggggt atttcgaacg gtggggaact gaggcacagg cggatgatat 540
 ggggagggag ttggaagaca ggcaattatg atcggagaga ttg 583

<210> 13410
 <211> 947
 <212> DNA
 <213> *Aspergillus nidulans*
 <223> unsure at all n locations
 <400> 13410

ttctgtattg cctgtggtct ntgtggtgaa attgtcagct agcatgactg ctgaccactt 60
 tagatttggc gaggtgagg acagtaaacg ccggaaccac aagccgtcag cccggctagc 120
 tcacagtaca tgggccgcat tatggcgtgg tatctactca attcatggcc ggcagagttg 180
 gtcgcgactc gctcgcttat acatcatcag atgcttatca tgcgattgaa tgaatctgtg 240
 tctcactttg ctgtagctgg aggatgaaat ggaataaact attgaaatat accacggaaa 300
 ggagtcacat atgcctgtat ttccaaatgt gtcgctaata aaattcacat cgagagttgc 360
 ataaacagtc tccaaagtat gtggtccact atcagctgtc agatcaatac cttcctcttt 420
 tactatTTTT cgaaggtga tcttactttt cccaagagct tcgttttttag tgacgtgctc 480
 taccttctaa cataaagttt tggcgggtggc acattccaat ccacacacaa ctatcgcgct 540
 tcgagcagac ccattactgg ccctctcaag ggaagaatgc agtcatggac cggaagatcc 600
 gaacaaccca gcaaccagg cggtgatgaa acgcaaattg gtacaggttt tgacctgaga 660
 aangggcccc cgaggggcga aatgatttcc ttgatgatga tcgttcaagc tatgcaccca 720
 tgatggtcag tttgtaaatt ccgcccagga ggatgctcat ctgtcccga acccgtttct 780
 ggccctcttt aaggccaacc caattttggg aaaaaaatt tccccccaa attggttaag 840
 ggggccctct tttttttttt attataagtt tagcgaacag ggaaacacaa cttgggatcc 900
 tctttttgaa aaaaaaatat agccgttttt tttttgggaa ataaaaa 947

<210> 13411
 <211> 112
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 13411

gtggaagaga gcagcaggtg gaacgtgagg ggtggaggga gaaagtctgg acgcggtttt 60

cctcctaccc ctccttaact cataaacccc atcgacccaa agaaacccgc ct 112

<210> 13412
<211> 993
<212> DNA
<213> Aspergillus nidulans

<400> 13412

tcgagcctat ccgtgagagt tatcttgggg ttccgaatcg ctaacaacct tctgtcaaat 60
gtagatccta ctactcctgg ccgcagacgg ttacaaaagc actcttcaac gaccttccta 120
accgatgcct cctctaataa ttttgccgga tctagactga gtaacttgag caagcggagg 180
ctctctattc gcgatcagag ggtgccccaa ggccgcggcc cacaagagca accacgcagg 240
tttgtttcct tagttgcccg ttctcgcttc tcatcgctgg tcattgtctg ttatccatct 300
catataacta atgtgcgatt gtttacagtt cgggcgcggg tcaccactct ggcaactcct 360
ccgttgactc gacgaccgga tctctaaaga acagcaattc acgtattagc ctgcgttcca 420
cgagcatgag taatctcgct aaccagaata ctgccgagaa tatggagtgc cttgctcccg 480
ttaacttoga cgactttcat aatagcatta tagcagaacc gagcttgaac cattttcctt 540
tgcctacgac cggaggaact ggaaatgacc gacaatcaac ctctttccat cccaccaatc 600
catggggcaaa aaataatatt gataataata cgcttgacc agctaaaggc taccgcgtcac 660
ggagaaagag cttgataggg cagaatattt cctcggactc gtcttcccg cgcgagcat 720
caactgcagc cggtcgaaat cgtcgccaga gccttataca aaaccaggcg cctgataatc 780
ctacaccgcg agcgcgcgca aatcaattg ggcccggtt tttacctaca gcttctctg 840
cgaggcgcca aagtctatca tccagaaaag ccagtgtga cacaactcgg ccggaccaa 900
caagctatct ccgccaaga agccagcatc atgaaatgaa tgggttcaac gggccccggc 960
ttccgttcaa tgctcccagt gcgaaggcca agt 993

<210> 13413
<211> 110
<212> DNA
<213> Aspergillus nidulans

<400> 13413

ccccccgcc ccccccccc ccccccccc ccccccccc ccccccccc caccctccc 60

cccccccccc ccccccccc ccccccccc ccccccccc ccccccccc

110

<210> 13414
<211> 1746
<212> DNA
<213> *Aspergillus nidulans*

<400> 13414

cggaaaaacc atatttatag ggaattaaaa accaagaagg gagcataaaa aaaaaattgg 60
gggcctccaa taaaagaaat ggccctcgggg cctaaaccgg ggttttgata gcttaattaa 120
tttgggggtt ccgagaggggt ccttgacaat aaaatcgc at ttttaaaaaa gaatggcgtg 180
ggcttcatga aagtgttatt ttccaaaaag gttttttgca aagggttgggt tgggggttgaa 240
gcatgtgcct tttttgcttc ccaacggcaa ttgttttatg acagtcagat tttctcttga 300
tctgatggga ccttggggcct cggttcctgt aacccggcct gtaaattttc tgctgtccca 360
attacagttt atggcaaagt tggctatcgg gagggctgtt ggtccaagac tcccttgctt 420
gtgagcga aa gccacctat ttttgtaaga tcccatcttc cgatgtagggt gtctgttcag 480
atagtgtctg ggccgatctc tgagtccgta gaccttctcc agatgtattt gaattattga 540
agtgggcagc cacctggtcg cgaacggatt taggtacaga atatagagct tcctgtgaga 600
ttgagttgac gagttgactt tctctggatc tcgaacgggc ccgacctctg gcaccgtccc 660
tctgtcctcg gtcattccatc tgatacgact ggctttttgt gagccgccta gcagcgggga 720
atagtgcatt ctgagccata ttccgatccg ccacatcttc ctgatataga gccgaaataa 780
tgccgggtata agatctccgc ttcaaccctg tccgctgtcg aagggaacggc accatattac 840
gttcgggtac atcctcattg aagggcgtga tgggagacag tgtgctagca gactgcatcc 900
gataccgatg ggagggaaaa gagagcatcg agaaggtcga catgacgtgg gttcctattc 960
gtgagccggc ttgatggtcg agaggtgga gcttgcgagg ccggagacaa gggccgttct 1020
ttcagctgat catgcagcac ctcgaaactgc ctctcgatat tctggaaatg ctcatctctg 1080
ctcaatgccg aagtcattga actgggaggc cggcctcgaa agctctgcgt ttgggactcc 1140
cggccccctg gcaactgggt cgggtgggtt ttctccgcat gaaagagacg tctcagcacc 1200
accatcttgg tcaatgcgta gctgttgtct cagagaaaag agatatcggg caatccagct 1260
gaagcccacg gaacgagcgt caaaggaagt atcgaaacag aatcagcgag tgtaacaggg 1320

ttggataggc cgtaatgagt gtgatcaacg catcataata agagcgagcg agtaaaagaa 1380
 cggcgaggcc aaatcatagt atatcatacc tcagtgagcg cgttgaaggt atagtaagag 1440
 caaccgcaaa agcaacgctg atgaagcgaa gagaagcccg cgagaaccca tgcaggaggg 1500
 gagcagaaga aaagaaaaac ggagagcaaa gtcaacaaag acccagtagg aaggagcgcc 1560
 aggaacgagg ctatgggggtt tgcagatcac acgaaatcat cttcgatcag gggagactag 1620
 agagacgaac taacagtgat gggccagctc cacgatgggc cgtccgttat tattattatt 1680
 attatcatta taattataat catttagcat taccatcagt atttacatac cgacatagca 1740
 ctcaac 1746

<210> 13415
 <211> 1089
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 13415

tgtgcgctca gaccagtacc cgtgcaaaac tatatcacccg ctatactagt ctttttgatc 60
 ctggagcagt tgatgacctg ggggtttctat ggtatgttgc tcggacttca gcagaagcag 120
 aactaacagc agccagacta tcagaaccga catggattga acatcggagc aaaagtgcgtg 180
 atggttattg tcgctgtact caatgccatg agaacctcct tctcattctt ctttcttctc 240
 atagtctgca tgggttacgg tgttgtcaag ccacaccttg gtcgaactat ggtatatgtt 300
 cggatccttg ccactactca tttcgttttc gccgtgattt atgccattgc gagcttgtct 360
 attacaccgg aagcggcagg cattttgata ctgttcattg agcttcctct cgcggttaca 420
 ttgactgcat tttatgtgtg gactctgagc tcattgaatg cgacaatgaa agaccttatt 480
 gaccgaaagc aaaagacgaa ggccatgatg tacaagaagc tatggtactg tctattgggt 540
 agcattatag tgctcttttg cttcattttc attaatgcgc ttgccttcgc aagccgcagt 600
 gaagaggact tctgcctga gcattggaag aaccgatggt ttgtgttgga tggatggctg 660
 agcattgttt atcttgccga tttggcattc atcgctatc tgtggcgacc cactgccaat 720
 aatcggcgat tcgcaatgag tgatgaggtg agtcaccgaa gacagacgaa agtggcattg 780
 ccgctaacat gactttagct tgctcaagac gatgacgggt ttgagattcg ttctttcaat 840
 ggagctttgg acgaagaaga cgccctcggg ggacttgatg aacactccgc ttctgagccg 900

cgctcgtgact tgtcgccagt tccgcctaaa ccagttccct ctgccgctcg gactcgggag 960
 tcaactggatg gtgagacgat cttcgccgtc ggtgaagatg gcgacaaatg gtctgatgat 1020
 gaggatgagt cgcgcgtaac tcaactgaga ggaaacactc acgaaggatg tggactaaga 1080
 tgcaagatg 1089

<210> 13416
 <211> 608
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 13416
 gatccagcaa aaactcctaa catctaacac cccgctcaat ccttggtggc cattctctaa 60
 actccgatct tattttgcac aaacacacct actccccat cgtggggactc cataccctta 120
 cgctggatca ctcgctggtt catcagatgc accatgctgt aatttccgac tctcctccac 180
 atgtttctac tctctataaa atttcatctt caactaattt cgagctgtac ttaatcaact 240
 tttcccaaac ctcacagtat aatcaattag tcaatatgcc atgttaccct cctcattct 300
 aatctgctta ttagctttct ttggctctgg cctcttatgt ccatacttaa tatattccat 360
 ttttagtaca tacatatcgt ggtcaaaaag cattatctca ctctatgagt caaacttgaa 420
 gagtcgtacc tctgcaaagt actaaaattt actagtcaat agattctacc cgaacctgat 480
 ggactacaaa gatttgtctc attatcactt ctttgtcctc tacaaacgga taattattaa 540
 ctatttgaac cttaaaaacta tccaggtaac ccattacctt ccacattgga cgaaacttac 600
 ttatctac 608

<210> 13417
 <211> 996
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 13417
 ctcgaactct gcgaaccaga acgagtcttt tcaccgttag cgggcgaaga agtatctgac 60
 ttgttgttgg atctcaaaga gcgcctctca gctggcattt tctcaggcct ttgtagctgc 120
 aaagcccagg cgagcgagac gagaccgcgg tgccgaaagc aaaggggcga ttgcaggcag 180
 tgactcaaag gaggctgaaa aaacgtagcc tcgacaacca caagaatctg cagttatatc 240

aatgagcagg tagacaggaa aacgataaag gataacggct gacagagtgg gaagattgtg 300
gttgatgagg tgggtgtgtg atgtcaaggc tggctgtctt ggatggacag cagaggccca 360
gctgggagct tacctaagtc agtatcagct gggacaaagc ttacggagtg ccaggaagca 420
cggtcagctg cctgcaaccg tagcaactat gataactaaa gaacatccta gcacgtacaa 480
gaagtactga aagaaagaat ctttctaagc gatcaagatc tagcgactga tagttttcca 540
cgactcttta cctctcggcg tctgctttcc ttcccaagct ctgtttccgt cggttcgcc 600
acagatctaa gagcctgagg cagcaacagc aacaaacgtt gaacccgtgg ccaaacacaa 660
ccaaaacacg ggactgagtg ctagagatcg aaaactgcga agcggcccca tttgattcaa 720
gagaaatgtc gttgctagaa agccacctgg agcaaattat gctctcatcg aatgcgatcg 780
cagaactacc gtgaggatta ctcttgcta ttggtcagct ccatgctaata gaagacaatc 840
agcttcccc agccacggat tttcacgaat gctcttctgg gcagccatga tatcaccgcc 900
ctaattcgag acacggaagc acatgagcga gctttgtttc aaagcgacc aaccgtgaaa 960
gctagtaact ccagaaaag ggccacaagg cgagcg 996

<210> 13418
<211> 916
<212> DNA
<213> *Aspergillus nidulans*

<400> 13418

agagcacttc ggtttggcca acctccaaga ggattccatc gacgatgatc agatcgccgc 60
cctggggcgt tctataacgg ctggttcaag gctgtctgag cccgagctgg ccagaagact 120
cacatcaatc gggaccacag gcacaaatga tcccaactac gaggtcgact ttgaggacgg 180
taatgaccag gccaatccga aaaactggtc gctcaagtac aaagccatgg cgattgctat 240
gctctcatat aacacactgc ttatgtgagt cagtcagggt tgggctgttt tttttttttt 300
tcagagttca ggataactga ccctcaaaag tgttctacat tcgacgtctt acacatccgg 360
aatctcacia atcgccgacg agtttggctc ctccacaact atcgtaacgc tggggctcac 420
tttttacctg atcggctctg ctattggttc gatgatcatg gtcccgttga gcgaggctca 480
cggcccgaag cacgtttcaa ttgcgtggct gggagtgttc acgggcctga tcatttcctg 540
cgcgctggca aagtcattgg ggcgcttaaa attgtcgggt ttatggggca ttgttcggaa 600

gggtataact taacccccct ggatgtggcg accttggacc ttaacaaaag aggtgccatt 660
 cctaagggtt ggactttaag ggccggggcg gaaaccatt tttaaccca cccaattaag 720
 aggcgttggg ctattagggg tggccaccg ggggaggaaa ggaggagttt tcgggggggtt 780
 cccctaaaaa ttttttttca aaccccccg caacatagcg ggcttaaaaa ctgttaaaat 840
 aataattttt tctctctctg gttctattct cccccacact aattctttgt gtgtattatg 900
 aaataattaa tatcac 916

<210> 13419
 <211> 611
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 13419

actgcagcat ggcttttcgc gccggtgac caatcccacc agccactggc tcatcatgtc 60
 acaggaaccg cggccctgtc cagtcctcgt ggattgctgt ttgcgcgagg gcctcggcga 120
 taatggccgg ctgattgaac tcgataccga agccgaggtg aattatgggg tggagcaggc 180
 ctaccagttt gatggcactt agggcctgat tctcagcatg aacagcagga atacaaagac 240
 gtaccaccaa acaaccttgc catcatactt tcagcgttct cgtcctgttt gaagaggtag 300
 tcagaaagaa cagcctcaac accctttttg tcgatctcgc gctggaagaa ctcgaggaaa 360
 tcagggtaat tcttctcctt gcctagtgcg tccttgaatt tgcctttctg atgaaggccg 420
 ttaacaacat cctcgtgcat tggaagagcc tttcgtgat acgtcttgtt ccgatcatag 480
 gcagcctgga tctcatcagg tgaagcccc agtgcgtaaa gagtgagaat ttgatgggca 540
 tgtgatctac atgagtaagc gtctgtttta tatacatgaa tcattacaat atactatttt 600
 gtcattgaaa g 611

<210> 13420
 <211> 648
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 13420

atattttaca acattgcaat ataccatcg tcccggtaaa acctcgctat gctcccgtgc 60
 ggatgaacct accccgctac tgttcatccc aaaattgcgt ctgatgattg aacgctgcaa 120

tgatcaaact gtgcttatgg aagagaacac aaaagaagat cacggggaaa gatgggagga 180
 gcttaatctt gggtgcgggc gatgtgggag ctggcgatg gtttcattgc atttcgggcg 240
 acatatctga cactgcatct aacgcctttt tctttgactg ttatgtttct cctctttctt 300
 cctctctctc tctctctttt tatttttatt ttttattttt tttttttttt ttgtgttggc 360
 taaagcccggt tatattggat ttgctttggg gcttggcacg gacggaatgg tgttaagggt 420
 tctttactgt ataatatgat aacaaagcaa ttatgacaat gattattatg tcctaaacat 480
 actcgcgtat cgtactcgcg tatcaactcg cttatcaact gtaaaactct ccagtgtcaa 540
 cgccataacc tgggctagct tcacaggtaa tatcgctta ggcatagggc gcaaattcgg 600
 cgcggcgatac ataagtattg ctcagtgttt ccgaggaaga atagttag 648

<210> 13421
 <211> 795
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 13421
 cactaagcag ctaacatggg tttgatgcag gccctaagt cccgtcttgt aagacatctc 60
 ctageccgct tgatcccggg aattgtgaaa tgcaggatca gtgagtacta attctggacc 120
 agctgttcgg gactcggggc atggccaccg ttgccgacct cgacaagaag gtcgagatgt 180
 gcaatctcga aaagggtgagc tattccttgt cgtgactcta ttgtggctag cctcggttgc 240
 ttcggatgag ttagcgatgc tggacaaaact ccgctaacgg tcgcattcta gggcaactac 300
 atcaactaca agtatgttta agagtcattg gagtctggag tgctggctta ttggcgaagc 360
 caaatgtcgg gagttgacta atatgttttt gcaacttgca ggaagatgtc cgagaacctg 420
 gacgttggtc gccgtcgttt gactcgtcct ctacatacg ccgagaagat tctgtactct 480
 caccttgacg acccccagaa ccaggacatc gagcgtggca agtcctacct caagctccgc 540
 cctgaccgtg ttgcttgcca ggatgccacc gccagatgg ccatcctgca gttcatgtcg 600
 gctggtatgc cgtccgtcgc tactcccacc accgtgcact gtgatcactt gattgaggct 660
 cagcttggtg gtgagaagga tcttgctcgc gcgaacgaga tcaacaagga ggtatacgac 720
 ttccttgctt cttcgactgc caagtacaac attggctctg agagccgcct gggtcgcttg 780
 cgttggcaaa ggtct 795

<210> 13422
 <211> 582
 <212> DNA
 <213> Aspergillus nidulans

<400> 13422

```
tcccaatgcg aaaactagaa gaagttctat agccgcaaga tggttccgtc atggtctatc 60
ccacccttaa aatgatctga tagcactctg cccccgagga tagttttctc cacaacgccc 120
tcaacgtggt tgggttcgat ggggccatac caaatccctc taccggccag cggatggggc 180
acagacgagt ctccatactt catgctttta gggatataaa tgatgacgtt cccagcatat 240
ttgtgtccgc cgatatgact gattagcccg atatgagcac gatccggggc atcaaacttg 300
tcgttgtcag gaccagctgg ggtatatata cccttgact ccaagatctt tcggaactgc 360
tcttccaata ttggcgccat aactccgat cgcatacac ggcctccgtg accgcatatc 420
aagataactg gggaatgctc tatatccaca gcgtcgggga actctgatgc cagctctggc 480
tttcggagca actcgctatg tcgcggatcg ggaagtgtct ctgtcatcgg actgagttgg 540
gtgggaagta ggaacgcttt tacaaaagtg gagaggttgg tg 582
```

<210> 13423
 <211> 1239
 <212> DNA
 <213> Aspergillus nidulans

<223> unsure at all n locations
 <400> 13423

```
gtttcgcattg tgccgggcag cttctccttg ggactggagc catggtgtag ctgcaccta 60
gtgtgctgta tatcataggg tgggttttca atttcatttc tttctcttcc ggccttgaga 120
tttgcttata atccttgggg tcacattaca ttatttattc ttgaagttct cttctctctg 180
tagaatagat tttatgttga tgtacttagg tttcggctat aatcaaattt tatggaggga 240
ctctgtttct atttcctttg tcctctaaag cattggggag gattggccga actttgcatt 300
tagagcgctg agtagggaag gcttgtggtt gtccgtcaga tgtagtatat atatgtcctg 360
acacggaccg ggagcttctc cagcatacaa gcgaacggaa tggaagccag ctgacatgat 420
attcacataa aagaagccag taacttccaa ttctgcacat atacctcgtc acaatatcat 480
```


atatatccaa gacaaagagg cctcggcgcg aggggtcaaata acaacagcac taatagaaca 540
 tacctaccta cctagctaca agcatacatc gcatcacatt cagtgtcttc tcgatatcat 600
 aagcaaccca caccacccat ccaccccaaa aggagagagg aaataggaag agcaaattggg 660
 gaatcaaagc ttctttctcca actttcttcaa gaaccgggttc acgctgttct caactctgga 720
 cgccgactec tccagctttc taggcggctg gccaggattc tgcacgcgca gctttgcgtg 780
 gtctgaagg tgcgaggagg cctctgcctc agtagggcgg tacatctggt tgtggattgc 840
 gtattcagag cctggagtgc tgacattggt ggctgggttg atgctgggtg tggctctgatg 900
 gtgatgaggg tgggtcttnc cttctgcaat cgttccttga acttcgttgg ggatcccgcc 960
 catccgcggg gactgggttg ccgataaaac catggtttct gcctcatgta ttgtgatgct 1020
 accatccacc tattgatttc ttgtaccacc cttctccctc taataactat ttttataagc 1080
 acccctatc tctaattctc atatcccccc aacacttcat actctacaat tccataacctg 1140
 ttctccaca tttttattct cctcttttct cacaacatga ctctctcac tccactttaa 1200
 ttctctaaa tcgtttctat atctctcccc cccccccc 1239

<210> 13424
 <211> 707
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 13424

ggccgcgggc gggctcgtgg tcgtggaggt cgtggcggcc gtggcggtcg tggaggacgc 60
 cgtgacaaca accgtgactg gagggaacga cgcgacgcgg accaaaagca aggcttcaag 120
 aacggccagg acgagcaacc cgaacgtcgt gaggtccaga aggatgctcg gtaagactac 180
 caccaaact cgctactcaa ccaagaaatg ctaacagtta tagcgggtgtg cctgtcgtgc 240
 agagcaccgc cgacgcaggt cagaagcgta cccgtgagga cgaggcgagc gccgaacacc 300
 ctgccaagaa ggtcgacacc aaggagtaat gatcttgcat tcacctactt gcatatctgc 360
 tatatgagtt ttgtcttaaa tcgggatggc aaaagttacc aataccagct tgttttcaac 420
 gccccacccat cctgcttcat cttggagacg agttagcatg tatacgtagc gtagagcgcg 480
 ttggtcaaga tacataccta aggaactacg taccacctct aaaactccaa atcataagcc 540
 aatgtatcct cacacagctc ttccctcatc ttatgtacct tggatatcaca gaaagagtta 600

accaagttcc aagagtcaat tagaaccct tccaccaccc ccaccacccc aaaggtgtat 660
 aaaataagca ggagactcac tctagatgcg ccggatgcac cgcgtat 707

<210> 13425
 <211> 922
 <212> DNA
 <213> Aspergillus nidulans

<400> 13425
 aaaagaaaa ccaacctaata tctgactaa atagctctct tcctatctca ccgctccgcc 60
 gcacactgat gcttgaacta ctgcttcgtc gccttctact gcgattttct gctggatcag 120
 ctgggcttaa tccgctggct cgagcatgca ggttcaacac gtctgttagg ctactacgc 180
 ccacaaggcg tcctgacaac cgggcccccg gcagagcaga cgctggaatc gacggcgtaa 240
 ggggtgccgg attcacatat ggacctgccg tagattggcc cgccggctgc acatgggcca 300
 ccggtgcgtt gggagattgg ggcggcgact gtgcgctggt gcttccagtc ggatagagtg 360
 gaatgtgcac cgcttgagtgc gatggagtag gaggtccga tgacgacggt gagtatggat 420
 cggtaaccca taaactacaa aagtcagcac tgcataaccg ctgaaggacg gcaaacctac 480
 cgatgtgacc tagtggctac aactttagcc accgtatggg ccagagtcga acccgggtta 540
 acatggaaaa caggggaatga atctttgcct tcttgaaggc cgctgcccga gagaattacg 600
 gagatgaaat gtgtgcatgt attgtttagg agagggagtg atgatgacct cgtgaggagc 660
 tatgagagtc agcaagaatc taggcacgaa cggcttacat accttaacat ccgtggtaga 720
 tatgtttccg acaacattga aatgattgtc gacaacagcc acagaagata taccttact 780
 gtgcatcagc tgcaacgctt cggagagcat tttgtcacca ctacgaacgt cagcgtgcgt 840
 aatccaatgc cgtcaagaac atacttgata gagatgaccc tgtgagatcc gatcctagta 900
 ttctatagtg cacctaaatc gt 922

<210> 13426
 <211> 949
 <212> DNA
 <213> Aspergillus nidulans

<400> 13426
 tcgcggccgc aatttaaccc tactaaagg gatctcgacc gaaagaaaac cagacaatcc 60

aacaataaaa agaagccgca aactgggagt cggaagaag agaggaagag agagagcgag 120
agagaggagt ttgtcctctg ctaattccca gccgtggtgg aagttgtgat tacgaggtga 180
ctctgagcga gctctcaaaa gagcagcagg agttagagta cggccggggc gactgcacgt 240
tacctccgta cctttactgg acgcttacct cggtgactgt cgcgggataa accacgaagc 300
tgctgtccaa tgatcggtcg cacgggtggc cgatgagcac aaagcattga ccacgactgg 360
gtcggagcca agacagagcc ccacaataga gtcacgggga ggagctgcac ttgggtctgt 420
gccaccatct gagccaatgg acgcagtcgc tgaactcaa tccggtccga gaggattgtc 480
agttaaagcc acgcaccttt ccagtgtaca cgaccgtggc tttgaggttc caccggccga 540
ggaagtgaat cagaatggtc cagagaaagg gacaaaaaca gacacaccac ggcgctacgg 600
aattcataaa gagagaatga gattgtggac gaccagacct agtttgatac taggagcgtc 660
gtccttatt cagattcctt gagaactctg agaacgtcca gctacgtcca gctacgtcca 720
gctatgtcca gctatgtcca gctacgtcca gtcgataggc taatctgcaa agaaaagaca 780
ggaccaagcg cggaatagag ccgtcatcag agccgaggcg attctgcggc cagatgtagg. 840
ggatagagca cgtccaggtc cagctcgcgc atcttaacgt caacgcacag cggtagacgg 900
cgggtgcagcg gccccacgta gccgggggga acagtccatc ggtgttcc 949

<210> 13427
<211> 504
<212> DNA
<213> *Aspergillus nidulans*
<400> 13427

acggccatgt ttttaagcag aacaccctag tgtacaacac catgctcga agggctttca 60
cgcaagctgg tgggacaact acacacaggc gactataggg gcatcgtgtg accgaggaca 120
gctgaacaga gccagacgt gccctgactc acggctgcct cctcagtga tcccagagccc 180
aacagggggc acggcaggag acctccacta gaatcaccag aacactacag tatcagtgcg 240
tgcagaatcc gatacgtca tcccaccgog agctggcgca tgcattctgt cagcgccata 300
gccgaatctc actccaagtc agggagttgt gcatcaagaa ttggagctat ttatagccga 360
gatgcaggca gctaccatat agacgcacga tgaaggacga gtcattgatta cagagtgcaa 420
aaggggatgg ctacggccgg ggtatgacca gtgcgcttgg gactcaactc ggaattcgaa 480

tatgatgcag gtgccatggc tgcg

504

<210> 13428
<211> 1243
<212> DNA
<213> *Aspergillus nidulans*

<400> 13428

aaaatcaa at tccctttgga ccccatcaa atgttcctta ggctgaggta cagcgtatac 60
ctgagaatgc atcgaatgcgg gtgctttgtt ggttgccgt agtactcagc aagtggctaa 120
agtcggcagc ggtcatgcat gacagtcgag taaaaagtcg gcctacttca tcttagcaca 180
tccgattaag tgcccaaact atttctaact tgggggtatt gcggtccgca agtattcgac 240
cccgacgggc atgaggtccg ttgaaagacc ccgaatgctt tccatcttct cctgctcagt 300
cattcgcatc gcggaaacta aatagagtct gtcataagac tttccctgga tagttgcgaa 360
ctcaacgggc atgagattga tcaaatccca tgctgtctgt ttttcatccg tcgacggagt 420
atacagcgcc gtgtcaatat cgtggctctg aaagtgcgag gtcacaccga tgtaagcga 480
aacgttcttg tcaatcgtat acagggccca gaaggcgtgg cgcttgaggat tcgccagcgg 540
agcgggatcg gtgaggggtg ttgcattccg gtgaagcccc agcgtttggc acatgttgaa 600
cgcgagagag aggtaggtcc agcagcgtg gatgttagac tcttcttggg ctttgatgat 660
ctgcaccatt aattgctgtg acgatacgca agagggaaag gggtcatact ccaatcagca 720
aggcttgga cttttcta atgttgatcag acagcatctg cgggtgatcc agccccgcgg 780
agaagtgtcg ctcacagaat aatttgctag aagaaaggct gaagtgcgca agatcaggat 840
ctccttcag caaatagtcg cgaacaaca aatacattaa accgtgaagc aatgtcgtgg 900
aaccgcagc gatttggtcg agcgggaagt agatcgattg gcagagcgat tcaagctgcc 960
gggtatcttt ccatgactga ctgacgagga aaaatggagg ccgtgctgca ataacatcag 1020
tcagcgtaa actacaaaat acgcatcgac tgcataccct tcaacttctt tacaacggca 1080
acgacaagat ccacagggag caatggctct tgagcccgcg ctgcttcaga ggtcgcttgc 1140
ccgggggaag gggaatggct atccagacta tccttcaaag acgacaacgc agaagagacc 1200
tggtcattga gcgctggccc tcgcgattac acaacagcag aga 1243

<210> 13429

<211> 538
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 13429

```
ccaatatcag ctgcacatca attcctgctg ggggggggcg ctgaggtatg tctgctgaag 60
aagagagctg ggtgactcat accactgcct gtatataacc catcatccat ccataacgtg 120
cgggagccac agttgatgat agcttttagcg cgcgtgtacc cccttgcgat tttgaacttc 180
ttccatgacc aacatataga tcgagcgtct gagaaggggc tttacttata cccatagtgc 240
cagtgagttc agcggtacat caacaaaagc catcgaccag acatgtcacc aactgctct 300
gcccgtgtac aactcattac acaattgggt gcagactatg ctatagcgca ttagctaatt 360
ctggaatgta ctcatatatg gtgtatccat tgaattgttg ggaaaaagcc acttctgtag 420
ggaaggggaa acctatccct ggcagtctca tgagatggcc cgatcctgtg ttcaggtaat 480
atttcaactc gttcaaagga aggcacccta ttgattgcac ctttcaaaca ttaggcat 538
```

<210> 13430
 <211> 1605
 <212> DNA
 <213> *Aspergillus nidulans*

<223> unsure at all n locations
 <400> 13430

```
aatgccttta gcgtacggtg ttttgatgta taagcggaca cgagtagatc aatagctatc 60
tccggtttat tccatgcgat cagacgcccg ctcggttgcgg cgggtgatatt atgcgtgacc 120
atcatcgacc gtctcatcca gcgtatgcga tagaagcgga aatcagccaa ttggatgaac 180
tcggattctg catgagggat ccatactttt gatctggcgg aaaaagatag gcaaccactc 240
aatccattca acttccacct caaccagagc ttgagcagcg cccagtcctt ggctgagtag 300
ttagcaatc agcgcaagct caacttctg tggcttaagc tcaaattccag aactcttgc 360
atcctgaaag cactgaaggg cctctgtcat tttgcccgcga tgaatgtagt aaatcatttg 420
ggtttgtaag ttctgataat catcaacgga tctcgaaggc cctgttaact cgtgcaccgt 480
gcgctcatal catccatcag cgaagtaagc ctgctccact gtgtgatttg attgtcgcca 540
atttgttcgc tggctcgtgac caagaagctg ttgcgacgca gtggctcgca tattgtctgc 600
tcgcgacgcy tgcaacatct gccagaagcc cacgggagaa tcccctagtg cggactgacg 660
```

tttgcgcaat acgtccagta ccgcagtttg atccagatta attttccacc cgcgctcgcg 720
 cgccaaattht gtgaattcgg agagcatagc catatcgccc ctttcaacaa ttgcctccaa 780
 tatgtgaccc cagagaacct gatcaggaac aatatcgaat ttatcaatat agcggtaaag 840
 gaaatcccga atctcgaccg ctgtgtgaga cggccaatat tcaagaaaga tgcggtggaa 900
 gatcttgaga aagtccgctt tgggactcgt cagacctagg ttgtgcattt cgttaaacc 960
 ttcacgaca gctgtccagt cacattgcan agctttcgcg tacactagaa tacctttcat 1020
 tcgcacatta agtgggactt ggtacgtaac cgtcatctcg ttagcanag tttcagcatc 1080
 tgcgaacctg ccaaaatcca catatgcctg gagcattgga cttatgagct tgtgagtagg 1140
 tttcttgtcc atgcgtcggg gcattatcag taattttgtg aactggccgt tgagaagctc 1200
 aatgcttcta gctttcttcc acaggcccgt aagatagaca ccacataaac cacagtctcg 1260
 atccaggtgt aaatgctgga agagaacctg tttcgcagtt ttagcctgc gagattcaat 1320
 caaacaccga aggacaacgt ccaataatat ccaggaata gaataggagt cttgtaacg 1380
 aaggaagacc gtcgtagccg actctatgca gcctttcttc gccaatgcga caatcaggac 1440
 cttccacata gtgtgggaca cccgatccac ttcttccagt cgttcgaata gactcctcgc 1500
 gatgaaaaca ttctcttgcc ggcagttcaa gtaaaacagc tgttccacaa gtagtcgcct 1560
 atgaatcgat atacctccat ttgaggctgg atgttcgtga attat 1605

<210> 13431
 <211> 788
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 13431

tttacgccgt cctctcgatc tcaggctatc agacagtctg gtctcacgtc ggatcaatat 60
 tcttctactt ttccaaacat agttgcttga agatgtctga tcaagcgatt atccgcatca 120
 caagggtaat cttcagttca ttattagagt catcttccca taatatgcc tagaatagac 180
 taacacaagt ctcgatacca ggagatcaag cagatagaga acagtgccga cttttgtaag 240
 cacttcgaag agagatgatt ctcttttatt ccaaattaac cagcaaggcc ttccatgctc 300
 ggtaggatgt tctcgctaac cgttggtaaa gcgattgcag ttgactacga tgaaaaagac 360
 attcgaaatg tgcgcgcggt cattctggga ccaccagaga cgccgtatca gtttggtttc 420

tttgagggtca gatataatattt attctgctat tagaccttct tgctgaattc ggaacaatat 480
 agttcagcat caagtttgga aaaggatatgt tttgccattt tcaatgcctg attgatgctc 540
 atcaagcctc cagattaccc tgcgcgtgct ccaagcgtaa gggctctgac gaccaattcg 600
 ggagtttgta gattcagccc gaatctgtat gctggaggga aggtctgctt gtaagtttgc 660
 caactggaca ccatgttgct agttttctga cccaagaaga tcgattctcg ggtaaagcaa 720
 gatccctcgc atcttatgag gcgtcaattc aactaattct gtgtgagcat gtccggcaac 780
 caggagag 788

<210> 13432
 <211> 748
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 13432
 gacactattc ggaacataag cagaacccta attcatttac tactataattt gtttctagac 60
 acgttaaata agtttgctc ttggtctggg acacaaaagt gctacctcct gtccaataac 120
 ccatgcttcg agtccatga ataacatcat gaatcacctg tcagcactat gttatcattt 180
 cttttacact ggcagatata tccctacagc acttcatttc tggctctgac aaattcgtca 240
 ccctgttatg tgtctttcat gaattcgtcg acacggaaga agttgagagc ccaggtgagc 300
 acagcagagt gatggagctt ctgcgtgagg aggcagtggg gctttatcat ttttttttag 360
 caaaaatcag gcaactggata ttgctagtgt ctcgagagagg tcacatgtcc agtcaacgaa 420
 aggaataatc cgactccgta atcgagtcct gcacctcatc agagttgcgc gaattcgact 480
 ctcatccgg aaagtgatcc agtattgtag aagcatcagg ggtgcccgtt cgttgagtaa 540
 ggtgtcatga gacttggtga gtctggataa aggcaacttg cgctcgccgc cgcctcacat 600
 tctataccaa agaccaatc agcggcagaa gattgaggta ggaagcagca tacttctcta 660
 atcccaggag ctaaaatcac aaaaaacacc gatccccttg aatttcttct tagccggttc 720
 cgacgctggg tcgtcatcca caacagtt 748

<210> 13433
 <211> 1315
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 13433

tcgggccgat aatacgacta ctatagggat cggccctagt ctgctcctca gggctttcgc 60
tttccggctg aacagatggc gttctcttga tgaagttgaa caacaatggc tgactcgcag 120
gtacagcagg agcattaggg tccggaatac cacggcgaat tcgttcctcg cgggcttttg 180
cttccttctc tgccttcttc ttctttaact gtatgcgtcg cttctccttt tcccggagct 240
tctgtgcttg gatttcacgc tcttcttctc gtcgatccg ggctatctga gatgccgtga 300
actgaaaccg tttgttgcta cggttggtacc gacggcggac ggtgcgggac ttctcaagga 360
tgactcgtgg tcgatcggcc atttgtcacg ttgggagaac ggcgaactga aagctaaacg 420
gtgcaataga gaaggtagac atcgagtatg aggattagta gagacagtct aacgacagtg 480
aatgacgctt ctaacaatat gggcctgcct tgcggttgcc tggaaacatt cgctgctaatt 540
agctgtgaag agtgctctta tcttgaaacc acgtgacccg cccttaggcg gccggctttt 600
agcttgaacc attgtctaag caacaaagag tcaccacctt ccttgagtct attcagagaa 660
agagggcgtt gaccaaggat ttcgccccaa aagtgtcgag ttagattaaa gggacgattt 720
tcattttgga cctgtataca tctgggtccga ttccgagcga gaggcacctt ctccagcccc 780
tgcaaaacta acttctctgg atctcaatgg tacctctaag actaagttgc gttcgattgc 840
gttcaaatac tctgtacact tatctttcag cgtcattat cagacgtcat tagcagagaa 900
caagcctcta cagcaccaga cacagtctc ccaatggcgg caggcatacc cagcctgtag 960
atcgcagttc tctagggaaa ggtacgtgca ttagcttcag tacctgcgta gcgtggatgg 1020
ataggtcacc gcttttactg agtctcctaa ctgccctctg caagagtatt ttattatcaa 1080
ttacatataa aggaggagta cccaccgagt ttatagaagc tagagtatcc gctatcctga 1140
catcctgcag cgtgcagcgt gcatatttcg aatcaaaacg gatcttatct ttgtatatgg 1200
tagtacgact gctatcaaatt agagctattc aattagcatt tagcacatgg ctttgcggta 1260
ggagacgaat cggtatcgac gacaggactg accattgctg gtatattgtg caatg 1315

<210> 13434

<211> 837

<212> DNA

<213> Aspergillus nidulans

<223> unsure at all n locations

<400> 13434

gatcggggcga taatacgact cactataggg atcacaaccg gccctttcca cgtgggttcg 60
gctcggggggg ttccttgccg ccattctcat cttccagagg aacgggggtg aattcgatgt 120
cggactagag gaactctcgc tcggcaacgg gatcacgatt cttatcaagg attttgaagt 180
gttgatcgga ttgacgtaga gggaggtaag cataatgcta acaacgatct gaggccaaca 240
actgttaata ccttgccgta tcaacacggg gagacataac gcacgatcag ctccagccac 300
gatatgggaag aactgggggt tccccagatc aatcttgtcg gtcccattca acgccattac 360
gatggcttag gacagtcaca gtcggcagaa cagcgaaaat tagcacgcga cccgaagatc 420
aaaagataga cgaacaaaaa gcgaattgaa attggaagaa accccttggg aaaattaaat 480
actgagaagg gcaaagaaac cccctagaga aggatgagtg tgttggaana gggagagagc 540
agaatctggg aatcgaaggc gaagctgagg gaagacgagg atggggagtc gatctaagca 600
ggcggaagcc tcggtgcaga cccgcagtgt acaactcacg atccatgcac tataacagaa 660
ttttatataa ttatccaagc ctactaagta atggactgct ctttctttta attcagttag 720
ttagtntct ttttctact ttattgatgg gcagcactca ttatcagcac tctgctgtag 780
attgatctat tcccctgaag aaaggggaag aggtcagaag accccgatcc acatgac 837

<210> 13435

<211> 713

<212> DNA

<213> *Aspergillus nidulans*

<400> 13435

cttaacgccc tatgtgtgtt tgtaaaagtt tctatgaccc ggccttagct gctctgacag 60
gttgacgtga attttttacg caggctttgg actgatcatg catggggggg ctgctccaac 120
cgactacctt aactagagta tatggagggc cgtgatgata catctcaacg ctgatatgac 180
tgcccacaga tagatctagt gaactagttg aatatatact atgaggctac ctgaattgat 240
gactcactac tgcattgtat acacactacg gtctgatacg attgaatata atattattat 300
gagagcagtg tgtccaaggc tgcaagggtg acgaatctgc ctgctattat acctggcgtg 360
ttgaaggaca ccatatgcaa cggcgagctt agctatggag gtgcttaagt ggctgaatac 420
ctatggccca tgctgcaggc ctgctgagtg gacattgcga tacactcagc tgccctgagc 480

agtgaatcag tgaattagag tagcagtgc atactgctac ctgtaataga catgataccc 540
 ttgcagctgt actgtagccg accatagtta aaaatagagt tctcagagtt atggaccagt 600
 agatccgtga acacctatcg aacttaatag cttctagatc gaggcgtag ctgcctaate 660
 cacatagccc tggtagcaa ggatatgcat cgagtcatac aaattattgc tac 713

<210> 13436
 <211> 268
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 13436
 cttaaacatt gacaccaaac atgtgtctga ttatacaatt ttccgtttct ttcatctct 60
 tgcgttctcg cgcctcctga cctcttcggt ttctcggta tcctcggtag ctattatcga 120
 cttccgtgga gccgtctcta gttggctctt atcgcccttg ctccaattac tctacctcct 180
 ggtggcctct ctgccttatt tctgctgggc tagcacact tctttctgga gggtttccac 240
 acccactcat tattgttaaa caaacat 268

<210> 13437
 <211> 532
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 13437
 acatcgtgtc tgtagaaccg ggtgaggacg tcgtttttgc gcacttcctc taaaatagaa 60
 gcttcgccgc ggaagaaccg ccgcagcgtc gtccccacca cattggcaat ctcagccatg 120
 acggagccgg acgcctctgc taacaaagtg tccaggtccg cctgggttcc gttcatccag 180
 tccttggtga ggatcggatg ctctcccgcg gaggtcttgg tcaaggtccg gtcaatccag 240
 gctgccagcc gggagcgtat gtggtcttga gctaggttgc gtcgttcata gtcggtgagt 300
 tgggagttta ccagctttat atatagcaat gcaacatgtt ccatgggtcag tgcaggggtg 360
 gaaaagtcca caggatctgc aaaggaccgc tgccctgggt tcaatggacc ccatgcgagc 420
 ttggagaaaa ctaccgcctc tggtgggtggc tggacgaggg gggcaatctc aacgcctcc 480
 atttgacta tacctcattg ttgtgcgtga caaactcaca tcccggatat gc 532

<210> 13438

<211> 1010
 <212> DNA
 <213> Aspergillus nidulans

<400> 13438

```
attgtttcgc cctgccaaat cccgtcttta agttcagggg aagattcccg taccaggact   60
ggctttgtgg acaactgtaaa ttctgtctaa ttcaatccat tgatctgttc tggactttta  120
gggctttgcg taggctatcc ttgaatgaca ggcgagactc gggattgttt acctactaga  180
cacagataac cggcgacgag tgctaactgg agcagaatat actcccttct tcggcaagta  240
cgcggttgcta agcaggggctt ttatgggtct ttagagttcg ggatagtgct gcgcaacttt  300
gtttgcagga gttcgctggg cacctcgaag acacaacgac tattttcaac cggctgaatt  360
gacacttagg gcaggaacaa tggccgatca cgaccacaag ctatctgtct gccatcccca  420
attcaaaagt ctggtatgag gtcttgtgcg ccgagacgac ctcccagggtg cccgaatcaa  480
atacttgcaa catcgtagcc agggccgaac tctgaaatat gaacactaat gaagcataat  540
cgtagactca aagagtatgg atcgctctca gcgagtttat gcaagggaga cggatggctg  600
gatgggaata atctccgcgg ggaagacgtg gtccaatgag tccgtgcttc attccgaggt  660
tcaccttctt ccacggcgtg aggtgtcatc gacgagttag gactatgact gacaatgccc  720
ctgacagata ttgcaccgag accaagcatt tgatcttgtg gtgtgctgga ctctgagaca  780
aggttctcac caacaaccc gcgcactaag catctgtcga agaagttgat tagcgtgacc  840
actgcgcaga agatcccttg atatctgggt gaatcaggaa ccagcgcaat tccctatcaa  900
gacgtaaggg atggctagta ctagtgatag gctagcagta gttgaggtgc atcgcggtgct  960
cgggcatacg ctctgagcac acatattgaa tctggcaagg agtgttctcc 1010
```

<210> 13439
 <211> 255
 <212> DNA
 <213> Aspergillus nidulans

<223> unsure at all n locations
 <400> 13439

```
ctcgactttc tgtacggagt cacatctcag caaagggtgcg caccggcgct cgggcataac   60
acacggacga acaacttacc agctcctaaa cacagaccac cttctcatcc gcaatccaca  120
acttcattct ttcaatctat gaggtaacnt tcgcatcccg acaatcctcc aactgatctt  180
```

ccgtttttcta tgaccgcgca gtgccttcct ccacctcctt catccaccgt ttgttctcct 240
tctctgattc ctcaa 255

<210> 13440
<211> 147
<212> DNA
<213> Aspergillus nidulans

<400> 13440

ttttttttgt tgtttttttt ttttttttct tctttttttc tctttttttt gttttttttc 60
tgctaataatt ttgttggtcc gttttgcttt ttttttcttt tttttttttc ctgacataac 120
ctatatccac tgcgttttat gcgatcc 147

<210> 13441
<211> 451
<212> DNA
<213> Aspergillus nidulans
<223> unsure at all n locations
<400> 13441

ttaaaggga tanccttttaa cggatacata tgtataagag tattatggac tgcttcgttc 60
gggattgatg gaccgtagta ttctgtctac gcgaaagagc gtcacttggg accatatgat 120
agggtctagat gcgccttaca agggggctta tactaaagtc ttactacat gcacgtgaga 180
atgactctag aaatctcact aattacacgc gatcttttga tcgcctgtta tatagtagat 240
tatgacggat ctctaggtct acgcggttga acagagcatg gactgatcat cacgtatacc 300
taccaattgg ggggccaagt gaaatttttc acaacattat aatgacccat aatggcgcgc 360
acgacctgtt gctatctgca agatgggatt gtacaggga ctagctacat atgaagatta 420
actacaagtc ggattattgc agcgaggcat g 451

<210> 13442
<211> 299
<212> DNA
<213> Aspergillus nidulans

<400> 13442

atgggggagc acgaaacagt agactgggtg gaaaccgcta ctgaggcact gactaccccg 60

tgggtgtcatg ggcggcgggg acgagagatc ttcaaggatg caataggaaa cacgctggat 120
ctgtaggtaa aacgaactgg agggcaatag gcttggggat atggcgacgt gtatcgaaac 180
tatacgata gactagtcat gtgcacgtat cgtaatcacg gcattatcga taaactagca 240
gatgatcaag gtatatcaag aaaattcaga aggcccttat caacaattaa gtgaaacat 299

<210> 13443
<211> 521
<212> DNA
<213> Aspergillus nidulans

<400> 13443

tctaacgccg tgggcacgtt cgaggccgta gtttcggggc gattgttccg acatggccgc 60
ctatgaggaa ctgatatacc ccgagetgcc caagcaagcg caggccgccc acagatggat 120
tcgtgactcg gatctcgaga ctgccaaaac agagagacaa gcgcagaact ggaggccgga 180
taatgcacag tgccaggggg ctcagttttag gcctgtgtca ggtcgaggct aagaccatgc 240
cctcataaat gataactcgc gggggcataa gccgcctaac agactttgac accgtaccag 300
accatgcttt tgctcgtgcg gaccgactaa ctggggcgct tgaccatgct gattactgca 360
cagagccgaa gatgctggcc cagagcaagg cttctactag gatgataaga ggaaacgcgc 420
gacgcgcttc atgggtgttca ttgacgaccg agccgggcta cgctactgca atgacagaga 480
ctcggccaat ggctattctg gctagataac gacgctgatg c 521

<210> 13444
<211> 1030
<212> DNA
<213> Aspergillus nidulans

<400> 13444

cgatcgaatc catgactact ggtgccaatg ggaaccacgg atcaagcata acagaggatg 60
aattttcaca atggaacgat ctgtcgcgct tgtgggggtga tcagtatata acaggggggg 120
ccctggttga cagcgccttg acctggctat tggacgatcg aggtaaccaa gtggcttcga 180
tatgacactt ttcgcagacc tattagtaca taaaggattg ttgtctgggt gcgtgatgaa 240
taaatccact cagttttaat ttcaaactgg tcgttgacga cgaatcgagc tgtactttca 300
tttcattcgc ttgatcgac cttccttaag aaagttctta cgggaccaga acaatagtcg 360

tcttgaaagt taccaatgac tccttggttaa cacccttttt gaaaagtgga cccaaatacc 420
 tgtttcatgt acaaccaact tcggcgggta catggaaatg ttgggaattg gttcttcgaa 480
 ttgggcacaa gtgggtttacc cggtaacccc cccattacta tggcccttta atgcgggttac 540
 ggtgttcaat gatcgccata ctaaataatat ctttatcact tggccgcgga caagactttt 600
 caatgggttt taattgatcc gataccagtc gtattacttg ggatgaaatt taagggtctcc 660
 attccttatt tatacaaaga caaacgcctc ttatatgttg tgtatcaatt gtttcagggg 720
 ttttgattca aaattggaga cttttgaatt aatccgattg gtcaattaca actgatatga 780
 ttttgtgttc tctctcttgt tcatttatct ttcttctata tatttgggtgg cttgatcatg 840
 tgttctcttt ctttttaatt gtttagtctc atactttatt attctatata tcatattata 900
 ttatattatt tttcttttta tttctccttt ttcacatttg tctacatttt cttcatacta 960
 tctatttatt agttgtacct ctttttttat ttcttttatt ttaccaatta taatttacta 1020
 ttttactctt 1030

<210> 13445
 <211> 1271
 <212> DNA
 <213> Aspergillus nidulans

<400> 13445

atgtaaaatc gtcgcgggaa aaaattggct ttgttgttgc agcggggttg taaataagat 60
 tgaattgtca agaagaaaag atgggtatct ctaaatttag gataagctat aaataaaagt 120
 gattgatcat ccaattgctg tgtaacgcca tataatcggc ctgttcgtcc tgattcaagc 180
 tatcaaagtgt tttgatattt tttttttcta tcggcagaaa gcccacagc aatccattgg 240
 taaagcggtg ggcgagggtga tcaagccaca ggagtgcac gtgccacgct cttcatacat 300
 cagttgcgtt ccagactaca tgagagtgtc aacaagatca tcgccctatg agtcgggggtg 360
 accctgcctt cttatcatta gttcagggtg taattgttaa aggctagtat gtctcctcgg 420
 tgatgccttg attctttgtt tctgtcgtcg cattgcattc tctagaatag ggcgaggaag 480
 acctgatctt atgtaataat cgatacctta cattgtccgt atttcattaa ttacaacctt 540
 aacagcctat tattggacct caggagagat ctctccgcgc gccccccccc atttcgtctc 600
 ctccccatcg actgccagac gttcatttta tcgtgttctc ggatttgcgt cctgtcagcc 660